

DUKE ENERGY CAROLINAS, LLC  
Docket No. 2023-388-E  
Normalize O&M labor expenses  
For the Test Period Ending December 31, 2022

Supplemental Direct  
SC2050 Narrative

Detailed Narrative Explanation of Adjustment

This pro-forma adjusts operation and maintenance expense, general taxes and income taxes to normalize operation and maintenance labor costs.

The impact to operation and maintenance expense is determined as follows:

1. The salaries and wages booked during the test period are subtracted from salaries and wages as of September 30, 2023 per Human Resources.
2. The percentage of electric operation and maintenance expense to apply to the salaries and wages adjustment is calculated as follows: total operation and maintenance labor per Form 1, Page 354 less reimbursement of Catawba Joint Owners is divided by total salaries and wages excluding other accounts (e.g. other work in progress) and allocation of clearing accounts per Form 1, Page 355. The adjustment calculated in Step 1 is multiplied by this percentage.
3. The impact to related fringe benefit costs is calculated by multiplying the salaries and wage adjustment calculated in Step 1 by the fringe benefits contribution rate. The fringe benefits contribution rate is calculated by dividing account 926 - employee pensions and benefits booked during the test period by total operation and maintenance labor per Form 1, Page 354.
4. The impact to operation and maintenance expense also reflects an adjustment to restate variable short and long term pay booked during the test period to the 2023 target.

The impact to general taxes reflects the change in the FICA tax base. To adjust general taxes, the salaries and wages adjustment calculated in Step 1 is multiplied by the percentage of wages subject to OASDI by the OASDI tax rate for employers. Next, the adjustment due to Medicare tax is calculated by multiplying the salaries and wages adjustment calculated in Step 1 by the Medicare tax rate.

The impact to income taxes was determined by multiplying taxable income by the statutory tax rate.

**Supplemental Direct**

This proforma has been updated to reflect the latest annualized salary information.

SC2050-5 - Updated to reflect labor allocations as of the December 31, 2023 (cutoff period)

SC2050-4 Updated to reflected annualized salary as of December 31, 2023 (cutoff period)

SC2050-3A New tab added to reflect joint owner reimbursement percentage as of December 31, 2023

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Line No	<u>Impacted Income Statement Line Items</u>	Source	Total	Total	
			SC Retail Supplemental Direct	SC Retail Application	Change
1	Sales of Electricity		\$	-	\$ -
2	Other Revenue				
3	Electric operating revenue (L1+L2)				
4					
5	<u>Electric operating expenses:</u>				
6	Operation and maintenance:				
7	Fuel used in electric generation				
8	Purchased power				
9	Other operation and maintenance expense	SC2050-1	\$ 6,785	\$ 4,854	\$ 1,931
10	Depreciation and amortization				
11	General taxes	SC2050-1	\$ 444	\$ 318	\$ 126
12	Interest on customer deposits				
13	EDIT Amortization				
14	Net income taxes	SC2050-1	\$ (1,804)	\$ (1,291)	\$ (513)
15	Amortization of investment tax credit				
16	Total electric operating expenses (sum(L7:L15))		\$ 5,426	\$ 3,882	\$ 1,543
17					
18	Operating income (L3-L16)		\$ (5,426)	\$ (3,882)	\$ (1,543)
19	<b>Rate Base</b>		Total	Total	
20	Electric plant in service		SC Retail Supplemental Direct	SC Retail Application	Change
21	Accumulated depreciation and amortization		\$ -	\$ -	\$ -
22	Net electric plant in service (L20 + L21)		\$ -	\$ -	\$ -
23	Construction Work in Progress		\$ -	\$ -	\$ -
24	Plant Held for Future Use		\$ -	\$ -	\$ -
25	Materials and supplies		\$ -	\$ -	\$ -
26	Total Working Capital		\$ -	\$ -	\$ -
27	Accumulated deferred income taxes		\$ -	\$ -	\$ -
28	Operating reserves		\$ -	\$ -	\$ -
29	Total Rate Base (Sum(L22:L28))		\$ -	\$ -	\$ -

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Line No.	Description	Labor Per Books	As of 12/31/2023	Pro Forma HR salaries
1				
2	<u>Salaries and Wages by Payroll Company</u>			
3	Duke Energy Carolinas - salaries and wages - charged to Duke Energy Carolinas	\$ 681,026 [1]	\$ 720,541 [2]	\$ 39,515
4	Service Company DEBS - salaries and wages - charged to Duke Energy Carolinas	195,902 [1]	201,154 [2]	5,251
5	Duke Energy Progress - salaries and wages - charged to Duke Energy Carolinas	34,652 [1]	34,279 [2]	(373)
6	Total salaries and wages (Sum L3 through L5)	<u>\$ 911,580</u>	<u>\$ 955,973</u>	<u>\$ 44,393</u>
7				
8	<u>Calculation of Electric O&amp;M % to Apply to Salaries &amp; Wages Adjustment</u>			
9	Total salaries and wages (Form 1, Page 355, Line 96, Col (d))	\$ 1,178,107 [4]		
10	Less: other work in progress (Form 1, Page 355, Lines 78,79,80 Col (b))	14,108 [4]		
11	Less: allocation of payroll charged for clearing accounts (Form 1, Page 355, Line 96, Col (c))	28,955 [4]		
12	Total salaries and wages - excluding other WIP and allocation of clearing accounts (L9 - L10 - L11)	<u>\$ 1,135,044</u>		
13				
14	Total operating and maintenance (Form 1, Page 354, Line 28, Col (b))	\$ 777,257 [4]		
15	Less: reimbursement of electric O&M by Catawba Joint Owners (SC2050-3, L10)	105,679 [3]		
16	Net electric O&M salaries and wages (L14-L15)	<u>\$ 671,578</u>		
17				
18	Percent of incurred costs charged to electric expense (L16 / L12)		59.17%	
19	Net electric O&M salaries and wages to adjust (L6 x L18)			<u>\$ 26,267</u>
20				
21	<u>Adjustment to General Taxes - FICA</u>			
22	Net electric O&M salaries and wages to adjust (L19)		\$ 26,267	
23	Percentage of wages subject to OASDI		88.80% [5]	
24	Electric wage adjustment subject to OASDI tax (L22 x L23)		\$ 23,325	
25	OASDI tax rate (employers)		6.20% [6]	
26	Adjustment due to wage adjustment (before Medicare rate) (L24 x L25)		<u>\$ 1,446</u>	
27				
28	Net electric O&M salaries and wages to adjust (L19)		\$ 26,267	
29	Medicare tax rate		1.45% [6]	
30	Adjustment due to Medicare tax (L28 x L29)		<u>\$ 381</u>	
31	Impact to general taxes (L26 + L30)			<u>\$ 1,827</u>
32				
33	<u>Calculation of Fringe Benefits Contribution Rate</u>			
34	Account 926 - employee pensions and benefits - 12 Months Ended December 31, 2022	\$ 51,717 [7]		
35	Total operating and maintenance (Form 1, Page 354, Line 28, Col (b)) (L14)	<u>777,257</u>		
36	Fringe benefits contribution rate (L34 / L35)		6.65%	

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<u>Line No.</u>	<u>Description</u>	<u>Total System</u>	<u>SC Retail Allocation</u>	<u>Total SC Retail</u>
37	<u>Calculation of O&amp;M (Including Fringe Benefits &amp; Variable Pay) and Income Tax</u>			
38	Net electric O&M salaries and wages to adjust (L19)	\$ 26,267		
39	Fringe benefits contribution rate (L36)	6.65%		
40	Fringe benefits adjustment (L38 x L39)	\$ 1,748		
41				
42	Adjustment to variable short and long term pay	\$ (115) [8]		
43				
44	Impact to O&M (L38 + L40 + L42)	\$ 27,900	24.3191% [9]	\$ 6,785
45				
46	Impact to general taxes (L31)	\$ 1,827	24.3191% [9]	\$ 444
47				
48	Taxable income (-L44 - L46)	\$ (29,727)		\$ (7,229)
49	Statutory tax rate	24.9500% [10]		24.9500% [10]
50	Impact to income taxes (L48 x L49)	\$ (7,417)		\$ (1,804)
51				
52	Impact to operating income (L48 - L50)	\$ (22,310)		\$ (5,426)

[1] SC2050-2 Actuals - Salaries and Wages by Payroll Company for Duke Energy Carolinas - 12 Months Ended December 31, 2022

[2] SC2050-4 Annualized - Annual Salary Information by Payroll Company for Duke Energy Carolinas at December 31, 2023

[3] SC2050-3 Analysis of Total Labor \$ - Catawba Project (Gross, Allocated \$) - 12 Months Ended December 31, 2022

[4] SC2050-6 FERC - Distribution of Salaries and Wages, 12 Months Ended December 31, 2022 (Form 1, Page 354-355)

[5] SC2050-7 Tax - Quarterly Federal Tax Summary Report, Line 22, Col. (d)

[6] SC2050-8 OASDI - OASDI and SSI Program Rates & Limits

[7] SC2050-9 Pensions and Benefits - Duke Energy Carolinas - (926) Employee Pensions and Benefits - 12 Months Ended December 31, 2022

[8] SC2050-10 STI & LTI Summary - Variable Short and Long Term Pay for Duke Energy Carolinas - 12 Months ended December 31, 2022

[9] SC Retail Allocation Factor - All - Labor - Jur

[10] SC1010-4 Tax Rate - 2023 Calculation of Tax Rates, Line 10

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Salaries and Wages by Payroll Company for Duke Energy Carolinas - 12 Months Ended December 31, 2022 [1]

Line No.	Payroll Company	Resource Category	Total	Percentage
1				
2	Duke Energy Carolinas (Payroll Company 100)	Direct Labor	\$ 565,950	83.1025%
3	Duke Energy Carolinas (Payroll Company 100)	Allocated Labor	\$ 115,076	<u>16.8975%</u>
4	Subtotal		\$ 681,026	100.0000%
5				
6	Service Company (Payroll Co. 110) - charged to DE Carolinas	Direct Labor	\$ 167,806	85.6580%
7	Service Company (Payroll Co. 110) - charged to DE Carolinas	Allocated Labor	\$ 28,096	<u>14.3420%</u>
8	Subtotal		\$ 195,902	100.0000%
9				
10	Duke Energy Progress (Payroll Co. 801) - charged to DE Carolinas	Direct Labor	\$ 27,329	78.8682%
11	Duke Energy Progress (Payroll Co. 801) - charged to DE Carolinas	Allocated Labor	\$ 7,323	<u>21.1318%</u>
12	Subtotal		\$ 34,652	100.0000%
13				
14	Total		\$ 911,580	

Note: Totals may not foot due to rounding

[1] Duke Energy Carolinas General Accounting and Reporting

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Analysis of Total Labor \$ - Catawba Project (Gross, Allocated \$) - 12 Months Ended December 31, 2022

Line No.	Description	Gross YTD Total	Catawba Reimbursement
1	O&M	\$ 112,143 [1]	\$ 90,560
2	A&G allocation	18,272 [1]	14,755
3	Capital retirements	539 [1]	435
4	Capital additions	18,821 [1]	15,199
5	Accounting & billing, operating	344 [1]	286
6	Accounting & billing, interconnect	186 [1]	78
7	Total (Sum L1 through L6)	\$ 150,304	\$ 121,313
8			
9	Less: capital retirements and additions (L3 + L4)		\$ 15,634
10	Total (excluding capital retirements and additions) (L7 - L9)		\$ 105,679
11			
12	<u>Calculation of Catawba Allocation Rate</u>		
13			
14	Total Catawba O&M labor expense (L1)	\$ 112,143	
15			
16	Duke Energy Carolinas total salaries & wages	\$ 1,178,107 [2]	
17	Less: A&G salaries and wages	164,434 [3]	
18	Total salaries and wages excluding A&G (L16 - L17)	\$ 1,013,673	
19			
20	Catawba reimbursement allocation rate (L14 / L18)		11.063%
21			
22	NOTES:		
23	(a) Includes manual journals		
24	(b) Labor is reimbursed at 80.754% with these exceptions: - accounting & billing, operating \$ are reimbursed at 83.3333% and interconnect \$ are reimbursed at 50% of the 83.3333%		

[1] Provided by Duke Energy Catawba Joint Owner Accounting

[2] NC2050-6 - Distr. of Salaries and Wages, 12 Months Ended Dec 31, 2022 (Form 1, Page 354-355), Page 2, Line 96, Col (d)

[3] NC2050-6 - Distr. of Salaries and Wages, 12 Months Ended Dec 31, 2022 (Form 1, Page 354-355), Page 1, Line 27, Col (b)

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Annual Salary Information by Payroll Company for Duke Energy Carolinas at December 31, 2023

Line No.	<u>Payroll Company</u>	<u>Grand Total</u>
1		
2	Duke Energy Carolinas (Payroll Company 100)	\$ 891,018 [2]
3	Duke Energy Carolinas % of labor charged to Duke Energy Carolinas	<u>80.8671% [1]</u>
4	Duke Energy Carolinas labor charged to Duke Energy Carolinas (L2 x L3)	\$ 720,541
5		
6	Service Company (Payroll Company 110)	\$ 796,066 [2]
7	Service Company % of labor charged to Duke Energy Carolinas	<u>25.2685% [1]</u>
8	Service Company labor charged to Duke Energy Carolinas (L6 x L7)	\$ 201,154
9		
10	Duke Energy Progress (Payroll Company 801)	\$ 456,845 [2]
11	Duke Energy Progress % of labor charged to Duke Energy Carolinas	<u>7.5034% [1]</u>
12	Duke Energy Progress labor charged to Duke Energy Carolinas (L10 x L11)	\$ 34,279
13		
14	Total - sum of annual salaries (L4 + L8 + L12)	\$ 955,973

[1] NC2050-5 - Labor Allocations by Business Unit Group - 12 Months Ended December 31, 2023

[2] Information provided by Duke Energy Human Resources Operations

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Labor Allocations by Business Unit Group - 12 Months Ended December 31, 2023 [1]  
Base Labor Resource Types Included: 11000, 11002, 18000, 18001, 18005

Line No.	Resp Center Level 2 Node Name LVL	BU Group	Monetary Amount JD	Percentage
1				
2	100_DUKE_POWER_CONSO	1. DE Carolinas	\$ 711,033	80.87%
3	100_DUKE_POWER_CONSO	2. DE Progress	\$ (82)	-0.01%
4	100_DUKE_POWER_CONSO	3. DEBS	\$ 97,220	11.06%
5	100_DUKE_POWER_CONSO	4. Other	\$ 71,090	8.09%
6	100_DUKE_POWER_CONSO	Total (Sum L2 through L5)	\$ 879,261	100.00%
7				
8	110_SERVICE_COMPANY	1. DE Carolinas	\$ 198,689	25.27%
9	110_SERVICE_COMPANY	2. DE Progress	\$ 63,880	8.12%
10	110_SERVICE_COMPANY	3. DEBS	\$ 129,074	16.42%
11	110_SERVICE_COMPANY	4. Other	\$ 394,669	50.19%
12	110_SERVICE_COMPANY	Total (Sum L8 through L11)	\$ 786,312	100.00%
13				
14	801_DE_PROGRESS	1. DE Carolinas	\$ 34,420	7.50%
15	801_DE_PROGRESS	2. DE Progress	\$ 9	0.00%
16	801_DE_PROGRESS	3. DEBS	\$ 416,041	90.70%
17	801_DE_PROGRESS	4. Other	\$ 8,253	1.80%
18	801_DE_PROGRESS	Total (Sum L14 through L17)	\$ 458,723	100.00%
19				
20	Total (L6 + L12 + L18)		\$ 2,124,295	

Source: Duke Energy Corporate Accounting

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DUKE ENERGY CAROLINAS		December 31, 2022		
DISTRIBUTION OF SALARIES AND WAGES				
Line No.	Classification (a)	Direct Payroll Distribution (b)	Allocation of Payroll Charged for Clearing Accounts (c)	Total (d)
1	<b>Electric</b>			
2	Operation	298,452		
3	Production	13,747		
4	Transmission	0		
5	Regional Market	27,028		
6	Distribution	32,789		
7	Customer Accounts	9,219		
8	Customer Service and Informational	10,368		
9	Sales	164,175		
10	Administrative and General	555,778		
11	TOTAL Operation (Enter Total of lines 3 thru 10)			
12	Maintenance	178,606		
13	Production	8,172		
14	Transmission	0		
15	Regional Market	34,443		
16	Distribution	258		
17	Administrative and General	221,478		
18	TOTAL Maintenance (Enter Total of lines 13 thru 17)			
19	Total Operation and Maintenance	477,058		
20	Production (Enter Total of lines 3 and 13)	21,919		
21	Transmission (Enter Total of lines 4 and 14)	0		
22	Regional Market (Enter Total If Lines 5 and 15)	61,471		
23	Distribution (Enter Total of lines 6 and 16)	32,789		
24	Customer Accounts (Transcribe from line 7)	9,219		
25	Customer Service and Informational (Transcribe from line 8)	10,368		
26	Sales (Transcribe from line 9)	164,434		
27	Administrative and General (Enter Total of lines 10 and 17)	777,257	400	777,657
28	TOTAL Operation and Maintenance (Total of lines 20 thru 27)			
29	<b>Other Utility Departments</b>			
30	Operation and Maintenance	0		0
31	TOTAL All Utility Dept. (line 28)	777,257	400	777,657
32	Utility Plant			
33	Construction (By Utility Departments)	312,746	28,555	341,302
34	Electric Plant			
35	Gas Plant	0		0
36	Other (provide details in footnote)	312,746	28,555	341,302
37	TOTAL Construction (Enter Total of lines 34 thru 36)			
38	Plant Removal (By Utility Departments)	45,040		45,040
39	Electric Plant			
40	Gas Plant	0		0
41	Other (provide details in footnote)	45,040		45,040
42	TOTAL Plant Removal (Total of lines 39 thru 41)			
43	<b>Other Accounts (Specify, provide details in footnote):</b>			
44	Non-Regulated Products & Services	3,880		3,880
45	Other Work in Progress	5,078		5,078
46	Other Accounts	5,150		5,150
61	TOTAL Other Accounts	14,107		14,107
62	TOTAL SALARIES AND WAGES	1,149,151	28,955	1,178,107

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Quarterly Federal Tax Summary Report (Report ID: TAX010FD) - Summary

Line No.	<u>Description</u>	(a)	(b)	(c)	12 Months Ended <u>December 31, 2022</u>	(d)
1						
2	<u>Duke Energy Carolinas</u>					
3	FICA/OASDI Column 'YTD Subject Wages'				\$ 1,081,067,655 [1]	
4	FICA/OASDI Column 'YTD Taxable Wages'				969,329,834 [1]	
5	Percentage Total (L4 / L3)					89.66%
6						
7	<u>Duke Energy Business Services</u>				\$ 1,023,086,947 [2]	
8	FICA/OASDI Column 'YTD Subject Wages'				871,308,496 [2]	
9	FICA/OASDI Column 'YTD Taxable Wages'					85.16%
10	Percentage Total (L9 / L8)					
11						
12	<u>Duke Energy Progress</u>				\$ 578,165,698 [3]	
13	FICA/OASDI Column 'YTD Subject Wages'				533,737,657 [3]	
14	FICA/OASDI Column 'YTD Taxable Wages'					92.32%
15	Percentage Total (L14 / L13)					
16						
17	<u>Calculation of Percentage of Wages Subject to OASDI</u>					
18	<u>For 12 Months Ended December 31, 2022</u>					
19	Duke Energy Carolinas \$ 681,026 [4]	74.71% [5]		89.66% [8]		66.99% [11]
20	Duke Energy Business Services 195,902 [4]	21.49% [6]		85.16% [9]		18.30% [11]
21	Duke Energy Progress 34,652 [4]	3.80% [7]		92.32% [10]		3.51% [11]
22	Total (Sum L19 through L21) \$ 911,580	100.00%				88.80%

[1] SC2050-7 Tax, Page 2 of 2, Quarterly Federal Tax Summary Report - 4th Quarter 2022 Company: 100

[2] SC2050-7 Tax, Page 2 of 2, Quarterly Federal Tax Summary Report - 4th Quarter 2022, Company: 110

[3] SC2050-7 Tax, Page 2 of 2, Quarterly Federal Tax Summary Report - 4th Quarter 2022, Company: 801

[4] SC2050-2 Actuals - Salaries and Wages by Payroll Company for Duke Energy Carolinas - 12 Months Ended December 31, 2022

[5] Column (a), Line 19 divided by Line 22

[6] Column (a), Line 20 divided by Line 22

[7] Column (a), Line 21 divided by Line 22

[8] Column (d), Line 5

[9] Column (d), Line 10

[10] Column (d), Line 15

[11] Column (b) multiplied by Column (c)

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Quarterly Federal Tax Summary Report (Report ID: TAX010FD) - Summary

**Tax Filing Quarterly Data by Company**  
Calendar Q4 2022-Q4  
Include YTD Yes  
Combine Resident with Work State Withholding  
Include In Progress Results Only  
Combine In Progress Results with Completed Results

*Data for Quarters*

Company	Quarter	Tax Authority	Tax	Tax Filing Code	YTD Tax Withheld	YTD Taxable Wages	YTD Subject Wages
100 Duke Energy Carolinas, LLC	2022-Q4	Federal	OASDI (ER)	W_OASE RFEDERAL	60,098,450	969,329,834	1,084,948,421
100 Duke Energy Carolinas, LLC	2022-Q4	Federal	OASDI	W_OASF EDERAL	60,098,450	969,329,834	1,081,067,655
Company	Quarter	Tax Authority	Tax	Tax Filing Code	YTD Tax Withheld	YTD Taxable Wages	YTD Subject Wages
110 Duke Energy Business Services, LLC	2021-Q4	Federal	56-2115358	OASDI (ER)	54,021,126	871,308,496	1,051,839,372
110 Duke Energy Business Services, LLC	2021-Q4	Federal	56-2115358	OASDI	54,021,126	871,308,496	1,023,086,947
Company	Quarter	Tax Authority	Tax	Tax Filing Code	YTD Tax Withheld	YTD Taxable Wages	YTD Subject Wages
801 Duke Energy Progress, LLC	2021-Q4	Federal	OASDI (ER)	W_OASE RFEDERAL	33,091,735	533,737,657	579,141,939
801 Duke Energy Progress, LLC	2021-Q4	Federal	OASDI	W_OASF EDERAL	33,091,734	533,737,657	578,165,698

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# Fact Sheet

## SOCIAL SECURITY

### 2023 SOCIAL SECURITY CHANGES

#### **Cost-of-Living Adjustment (COLA):**

Based on the increase in the Consumer Price Index (CPI-W) from the third quarter of 2021 through the third quarter of 2022, Social Security and Supplemental Security Income (SSI) beneficiaries will receive an 8.7 percent COLA for 2023. Other important 2023 Social Security information is as follows:

TAX RATE	2022	2023
Employee	7.65%	7.65%
Self-Employed	15.30%	15.30%

**NOTE:** The 7.65% tax rate is the combined rate for Social Security and Medicare. The Social Security portion (OASDI) is 6.20% on earnings up to the applicable taxable maximum amount (see below). The Medicare portion (HI) is 1.45% on all earnings. Also, as of January 2013, individuals with earned income of more than \$200,000 (\$250,000 for married couples filing jointly) pay an additional 0.9 percent in Medicare taxes. The tax rates shown above do not include the 0.9 percent.

	2022	2023
Maximum Taxable Earnings		
Social Security (OASDI only)	\$147,000	\$160,200
Medicare (HI only)		No Limit

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Duke Energy Carolinas - (926) Employee Pensions and Benefits  
Twelve Months Ended December 31, 2022

Line <u>No.</u>	<u>Account &amp; Description</u>	<u>Total</u>
1		
2	0926000 - Empl Pensions and Benefits	\$ 237,820 [1]
3	0926420 - Employees' Tuition Refund	1 [1]
4	0926430 - Employees' Recreation Expense	21 [1]
5	0926600 - Employee Benefits - Transferred	(101,194) [1]
6	0926999 - Non Serv Pension (ASU 2017-07)	(84,931) [1]
7	Total (Sum L2 through L6)	<u>\$ 51,717</u>

[1] Working Trial Balance

DUKE ENERGY CAROLINAS, LLC  
 Docket No. 2023-388-E  
 Normalize O&M labor expenses  
 For the Test Period Ending December 31, 2022  
 (Dollars in thousands)

Supplemental Direct  
 SC2050-10 STI & LTI summary  
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Variable Short and Long Term Pay for Duke Energy Carolinas - 12 Months ended December 31, 2022

<u>Line No.</u>	<u>Description</u>	<u>Total Carolinias</u>
1		
2	Test year level of variable short term pay	\$ 101,711.0 [1]
3	Test year level of variable long term pay	\$ 33,492.0 [2]
4	Total (L2 + L3)	\$ 135,203.0
5		
6	Catawba reimbursement allocation rate	11.063% [4]
7	Non-ownership percentage in Catawba plant	80.754% [4]
8		
9	Costs reimbursed by Catawba Joint Owners (L4 x L6 x L7)	\$ 12,079
10	Remaining variable short and long term pay (L4 - L9)	\$ 123,124
11		
12	2023 target level of variable short term pay	\$ 102,418 [3]
13	2023 target level of variable long term pay	32,659 [2]
14	Total (L12 + L13)	\$ 135,077
15		
16	Catawba reimbursement allocation rate (L6)	11.063% [5]
17	Non-ownership percentage in Catawba plant (L7)	80.754% [4]
18		
19	Estimated costs reimbursed by Catawba Joint Owners (L14 x L16 x L17)	\$ 12,068
20	Remaining variable short and long term pay (L14 - L9)	\$ 123,009
21		
22	Adjustment to restate variable short and long term pay at target (L20 - L10)	(115)

[1] SC2050-10a STI actual - Level of Variable Short Term Pay for Duke Energy Carolinas - 12 Months Ended December 31, 2022, Line 39, Col. (c)

[2] SC2050-10c LTI - Variable Long Term Pay for Duke Energy Carolinas, Lines 6 and 13, Col. (a)

[3] SC2050-10b STI target - 2023 level of Variable Short Term Pay for Duke Energy Carolinas, Line 39, Col. (c)

[4] SC2050-3 Joint Owner - Analysis of Total Labor \$ - Catawba Project (Gross, Allocated \$), 12 Months Ended December 31, 2022, Lines 20 and 24

[5] SC2050-3A Joint Owner - Analysis of Total Labor \$ - Catawba Project (Gross, Allocated \$), 12 Months Ended December 31, 2023, Lines 20 and 24

DUKE ENERGY CAROLINAS, LLC  
Docket No. 2023-388-E  
Normalize O&M labor expenses  
For the Test Period Ending December 31, 2022  
(Dollars in thousands)

Supplemental Direct  
SC2050-10a STI actual  
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Level of Variable Short Term Pay for Duke Energy Carolinas - 12 Months Ended December 31, 2022

Line No.	Description	Other Balance Sheet (a)	Capital (b)	O&M (c)	Total (d)
1					
2	<u>Direct Charge:</u>				
3	Duke Energy Commercial Enterprises	\$ 0	\$ -	\$ 1	\$ 1
4	Duke Energy Business Services	3,971	4,363	16,948	25,282
5	Duke Energy Carolinas	7,356	19,511	66,003	92,869
6	Duke Energy Indiana	0	2	48	50
7	Duke Energy Kentucky	-	0	1	1
8	Duke Energy Ohio	0	0	5	5
9	Piedmont Natural Gas	1	1	47	50
10	Duke Energy Progress	158	900	2,123	3,181
11	Duke Energy Florida	25	46	198	269
12	Direct Charge Total (Sum L3 through L11)	<u>\$ 11,511</u>	<u>\$ 24,823</u>	<u>\$ 85,372</u>	<u>\$ 121,706</u>
13					
14	Percentage split between capital and O&M for direct charges		22.5%	77.5%	100.0%
15					
16	<u>Service Company Allocation:</u>				
17	Duke Energy Commercial Enterprises	\$ -	\$ -	\$ 0	\$ 0
18	Duke Energy Business Services	-	285	13,075	13,360
19	Duke Energy Carolinas	(71)	31	(6,057)	(6,097)
20	Duke Energy Indiana	-	0	(10)	(9)
21	Duke Energy Kentucky	-	-	-	-
22	Duke Energy Ohio	-	-	1	1
23	Piedmont Natural Gas	-	-	(24)	(24)
24	Duke Energy Progress	84	0	456	540
25	Duke Energy Florida	-	1	(31)	(30)
26	Service Company Allocation Total (Sum L17 through L25)	<u>\$ 13</u>	<u>\$ 318</u>	<u>\$ 7,409</u>	<u>\$ 7,739</u>
27					
28	Percentage split between capital and O&M for allocated		4.1%	95.9%	100.0%
29					
30	Total (L12 + L26)	<u>\$ 7,802,056</u>	<u>\$ 25,141</u>	<u>\$ 92,781</u>	<u>\$ 129,446</u>
31					
32	Percentage split between capital and O&M for total		21.3%	78.7%	100.0%
33					
34	<u>Summary:</u>				
35	Direct (L12)	\$ 11,511	\$ 24,823	\$ 85,372	121,706
36	Re-assignment of direct "other" (Col. (a) x Line 12)	(11,511)	2,593	8,918	-
37	Allocated (L26)	13	318	7,409	7,739
38	Re-assignment of allocated "other"	(13)	1	12	-
39	Total (Sum L35 through L38)	<u>\$ -</u>	<u>\$ 27,734</u>	<u>\$ 101,711</u>	<u>\$ 129,446</u>

Source: Duke Energy Corporate Accounting

DUKE ENERGY CAROLINAS, LLC  
Docket No. 2023-388-E  
Normalize O&M labor expenses  
For the Test Period Ending December 31, 2022  
(Dollars in thousands)

Supplemental Direct  
SC2050-10b STI target  
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2023 Target Level of Variable Short Term Pay for Duke Energy Carolinas

Line No.	Description	Other Balance Sheet (a)	Capital (b)	O&M (c)	Total (d)
1					
2	<u>Total Charge:</u>				
3	Duke Energy Commercial Enterprises	\$ -	\$ 4,266	\$ 3,586	\$ 31,441
4	Duke Energy Business Services				39,293
5	Duke Energy Carolinas		7,147	21,907	59,313
6	Duke Energy Indiana			4	22
7	Duke Energy Kentucky				-
8	Duke Energy Ohio			0	0
9	Piedmont Natural Gas		19	-	(2)
10	Duke Energy Progress		320	800	2,291
11	Duke Energy Florida		39	21	157
12	Direct Charge Total (Sum L3 through L11)	<u>\$ 11,792</u>	<u>\$ 26,318</u>	<u>\$ 93,222</u>	<u>\$ 131,333</u>
13					
14	Percentage split between capital and O&M for direct charges			22.0%	78.0%
15					100.0%
16	<u>Service Company Allocation:</u>				
17	Duke Energy Commercial Enterprises	\$ -	\$ -	\$ -	\$ -
18	Duke Energy Business Services				-
19	Duke Energy Carolinas				-
20	Duke Energy Indiana				-
21	Duke Energy Kentucky				-
22	Duke Energy Ohio				-
23	Piedmont Natural Gas				-
24	Duke Energy Progress				-
25	Duke Energy Florida				-
26	Service Company Allocation Total (Sum L17 through L25)	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ - [1]</u>
27					
28	Percentage split between capital and O&M for allocated				
29					
30	Total (L12 + L26)	<u>\$ 11,792</u>	<u>\$ 26,318</u>	<u>\$ 93,222</u>	<u>\$ 131,333</u>
31					
32	Percentage split between capital and O&M for total			22.0%	78.0%
33					100.0%
34	<u>Summary:</u>				
35	Direct (L12)	\$ 11,792	\$ 26,318	\$ 93,222	\$ 131,333
36	Re-assignment of direct "other" (Col. (a) x Line 12)	(11,792)	2,596	9,196	-
37	Allocated (L26)	-	-	-	-
38	Re-assignment of allocated "other"	-	-	-	-
39	Total (Sum L35 through L38)	<u>\$ -</u>	<u>\$ 28,914</u>	<u>\$ 102,418</u>	<u>\$ 131,333</u>

Source: Duke Energy Corporate Accounting

[1] Service company allocation portion not available in budget view. Amount is embedded in direct charge section.

DUKE ENERGY CAROLINAS, LLC  
Docket No. 2023-388-E  
Normalize O&M labor expenses  
For the Test Period Ending December 31, 2022  
(Dollars in thousands)

Supplemental Direct  
SC2050-10c LTI  
Page 1 of 1

Variable Long Term Pay for Duke Energy Carolinas

<u>Line No.</u>	<u>Description</u>	<u>Total (a)</u>	<u>Performance Awards (b)</u>	<u>Restricted Stock Units (c)</u>
1				
2	<u>Stock-Based Compensation - Actuals - 12 Months Ended Dec 31, 2022</u>			
3				
4	Grand total - gross	\$ 35,538 [1]	\$ 15,717	\$ 19,821
5	Less: capital	2,045	107	1,938
6	Stock-based compensation, net EBIT (L4-L5)	\$ 33,492 [1]	\$ 15,610	\$ 17,883
7				
8				
9	<u>Ongoing Stock-Based Compensation</u>			
10				
11	Grand total - gross	\$ 34,934 [1]	\$ 14,070	\$ 20,864
12	Less: capital	2,275 [1]	126	2,149
13	Stock-based compensation, net EBIT (L11-L12)	\$ 32,659	\$ 13,943	\$ 18,716
14				

Source: Duke Energy Corporate Accounting

DUKE ENERGY CAROLINAS, LLC  
Docket No. 2023-388-E  
Adjust vegetation management expenses  
For the Test Period Ending December 31, 2022

Supplemental Direct  
Narrative

Detailed Narrative Explanation of Adjustment

This pro forma adjusts operation and maintenance expenses and income taxes for increased vegetation management expenses not included in the test period.

The impact to income taxes is determined by multiplying taxable income by the statutory tax rate.

Supplemental Direct: Updated Transmission test period expense for Inspections for error found in previous submission.

DUKE ENERGY CAROLINAS, LLC  
 Docket No. 2023-388-E  
 Adjust vegetation management expenses  
 For the Test Period Ending December 31, 2022  
 (Dollars in thousands)

Supplemental Direct  
 SC2070 Summary

Line No	<u>Impacted Income Statement Line Items</u>	Source	Total	Total	Change
			SC Retail Supplemental Direct	SC Retail Application	
1	Sales of Electricity		-	-	
2	Other Revenue		-	-	
3	Electric operating revenue (L1+L2)	\$	-	\$ -	
4					
5	<u>Electric operating expenses:</u>				
6	Operation and maintenance:				
7	Fuel used in electric generation		-	-	
8	Purchased power		-	-	
9	Other operation and maintenance expense	SC2070-1	460	461	(1)
10	Depreciation and amortization		-	-	
11	General taxes		-	-	
12	Interest on customer deposits		-	-	
13	EDIT Amortization		-	-	
14	Net income taxes	SC2070-1	(115)	(115)	0
15	Amortization of investment tax credit		-	-	
16	Total electric operating expenses (sum(L7:L15))	\$	345	\$ 346	\$ (1)
17					
18	Operating income (L3-L16)	\$	(345)	\$ (346)	\$ 1
19	<u>Rate Base</u>				
20	Electric plant in service	\$	-	\$ -	\$ -
21	Accumulated depreciation and amortization	\$	-	\$ -	\$ -
22	Net electric plant in service (L20 + L21)	\$	-	\$ -	\$ -
23	Construction Work in Progress	\$	-	\$ -	\$ -
24	Plant Held for Future Use	\$	-	\$ -	\$ -
25	Materials and supplies	\$	-	\$ -	\$ -
26	Total Working Capital	\$	-	\$ -	\$ -
27	Accumulated deferred income taxes	\$	-	\$ -	\$ -
28	Operating reserves	\$	-	\$ -	\$ -
29	Total Rate Base (sum L22:L28)	\$	-	\$ -	\$ -

DUKE ENERGY CAROLINAS, LLC  
Docket No. 2023-388-E  
Adjust vegetation management expenses  
For the Test Period Ending December 31, 2022  
(Dollars in thousands)

Supplemental Direct  
SC2070-1 Calculation

Line <u>No.</u>	<u>Description</u>	Total <u>System</u>	SC Retail <u>Allocation</u>	Total <u>SC Retail</u>
1				
2	Vegetation management adjustment - Distribution	\$ 491 [1]	25.1109% [2]	\$ 123
3	Vegetation management adjustment - Transmission	2,004 [1]	16.7963% [3]	337
4	Impact to O&M (L2 + L3)	\$ 2,496		\$ 460
5				
6	Statutory tax rate	24.95% [4]		24.95% [3]
7	Impact to income taxes (-L4 x L6)	\$ (623)		\$ (115)
8				
9	Impact to operating income (-L4 - L7)	\$ (1,873)		\$ (345)

[1] SC2070-2 - Vegetation Management Adjustment - Distribution and Transmission, Line 14 & Line 24

[2] SC Retail Allocation Factor - All - Dist Plt OH - Jur

[3] SC Retail Allocation Factor - All - Transmission Demand - Jur

[4] SC1010-4 2023 Calculation of Tax Rates, Line 10

Note: Totals may not foot due to rounding

DUKE ENERGY CAROLINAS, LLC  
 Docket No. 2023-388-E  
 Adjust vegetation management expenses  
 For the Test Period Ending December 31, 2022  
 (Dollars in thousands)

Supplemental Direct  
 SC2070-2 Veg Mgmt

Vegetation Management Adjustment - Distribution and Transmission [1]

Line No.	Description	Total Miles (a)	Target Cycle (b)	Number of Miles to Trim per Year (c) = (a) / (b)	Test Year (d)	Adjusted (e)
1						
2	<b><u>Vegetation Management Adjustment - Distribution</u></b>					
3	Urban Miles	2,120	5	424	431	424
4	Mountain Miles	4,270	7	610	1,095	610
5	Other Miles (includes Nantahala Mountain Miles)	44,954	9	4,995	4,581	4,995
6	Total Miles (Sum L3 through L5)	51,345		6,029	6,107	6,029
7	Cost per Mile				11,236	11,388
8	Production \$ (L6 x L7)/1000				\$ 68,615	\$ 68,658
9	Demand \$				3,493	3,732
10	Herbicide \$				3,483	3,645
11	Contract Inspectors \$				789	837
12	Program Target \$ (Sum L8 through L11)				\$ 76,379	\$ 76,871
13						
14	Total Distribution Adjustment (Line 12 Col (e) Less Col (d))					\$ 491
15						
16	<b><u>Vegetation Management Adjustment - Transmission</u></b>					
17	Transmission Routine Maintenance				\$ 4,432	\$ 4,664
18	Transmission Reactive Maintenance				1,950	2,374
19	Transmission Herbicide				4,454	5,062
20	Transmission Inspections				365	882
21	Transmission Substation Maintenance				1,390	1,613
22	Targeted Program Costs (Sum L17 through L21)				\$ 12,591	\$ 14,595
23						
24	Total Transmission Adjustment (Line 22 Col (e) Less Col (d))					\$ 2,004

[1] Source: Customer Delivery Finance

Note: Totals may not foot due to rounding

DUKE ENERGY CAROLINAS, LLC  
Docket No. 2023-388-E  
Levelize nuclear refueling outage costs  
For the Test Period Ending December 31, 2022

Supplemental Direct  
SC2100 Narrative

Detailed Narrative Explanation of Adjustment

This pro forma adjusts operation and maintenance expense and income taxes to levelize nuclear refueling outage costs based on the most recent outage.

The impact to operation and maintenance expenses was determined by subtracting annualized outage amortization expense from test period outage expense.

The impact to income taxes was determined by multiplying taxable income by the statutory tax rate.

**Supplemental Direct**

Updated McGuire Unit 1 amortization which began December 2023.

DUKE ENERGY CAROLINAS, LLC  
Docket No. 2023-388-E  
Levelize nuclear refueling outage costs  
For the Test Period Ending December 31, 2022  
(Dollars in thousands)

Supplemental Direct  
SC2100 Summary  
Page 1 of 1

Line No	<u>Impacted Income Statement Line Items</u>	Source	Total	Total	Change
			SC Retail	SC Retail Application	
1	Sales of Electricity		\$	-	\$ -
2	Other Revenue				
3	Electric operating revenue (L1+L2)				
4					
5	<u>Electric operating expenses:</u>				
6	Operation and maintenance:				
7	Fuel used in electric generation				
8	Purchased power				
9	Other operation and maintenance expense	SC2100-1	\$ 2,014	\$ 2,271	\$ (257)
10	Depreciation and amortization				
11	General taxes				
12	Interest on customer deposits				
13	EDIT Amortization				
14	Net income taxes	SC2100-1	\$ (502)	\$ (567)	\$ 64
15	Amortization of investment tax credit				
16	Total electric operating expenses (sum(L7:L15))		\$ 1,511	\$ 1,704	\$ (193)
17					
18	Operating income (L3-L16)		\$ (1,511)	\$ (1,704)	\$ 193
19	<u>Rate Base</u>				
20	Electric plant in service		\$ -	\$ -	\$ -
21	Accumulated depreciation and amortization		\$ -	\$ -	\$ -
22	Net electric plant in service (L20 + L21)		\$ -	\$ -	\$ -
23	Construction Work in Progress		\$ -	\$ -	\$ -
24	Plant Held for Future Use		\$ -	\$ -	\$ -
25	Materials and supplies		\$ -	\$ -	\$ -
26	Total Working Capital		\$ -	\$ -	\$ -
27	Accumulated deferred income taxes		\$ -	\$ -	\$ -
28	Operating reserves		\$ -	\$ -	\$ -
29	Total Rate Base (sum L22:L28)		\$ -	\$ -	\$ -

DUKE ENERGY CAROLINAS, LLC  
 Docket No. 2023-388-E  
 Levelize nuclear refueling outage costs  
 For the Test Period Ending December 31, 2022  
 (Dollars in thousands)

Supplemental Direct  
 SC2100-1 Calculation  
 Page 1 of 1

Line No.	<u>Description</u>	Total <u>SC Retail</u>
1		
2	<u>SC Monthly Amortization of Outage Deferral - Last Known and Measurable Outage:</u>	<u>Monthly</u> [1]
3	McGuire Unit 1	\$ 345
4	McGuire Unit 2	369
5	Catawba Unit 1	83
6	Catawba Unit 2	68
7	Oconee Unit 1	307
8	Oconee Unit 2	253
9	Oconee Unit 3	309
10	Total Monthly Amortization Expense (Sum L3 through L9)	\$ 1,735
11		
12		
13		
14	<u>SC Annualized Amortization Expense Based on Last Known and Measurable Outage:</u>	<u>Annual</u>
15	Mcguire Unit 1 (L3 x 12)	\$ 4,137
16	McGuire Unit 2 (L4 x 12)	4,433
17	Catawba Unit 1 (L5 x 12)	999
18	Catawba Unit 2 (L6 x 12)	813
17	Oconee Unit 1 (L7 x 12)	3,683
18	Oconee Unit 2 (L8 x 12)	3,041
19	Oconee Unit 2 (L9 x 12)	3,710
20	Total Annual Amortization Expense (Sum L15 through L19)	\$ 20,816
21		
22		
23	Annualized SC Outage Amortization Expense (L20)	\$ 20,816
24	Test Year Amortization of Outage Deferral	18,802 [2]
25	Impact to O&M (L23 - L24)	\$ 2,014
26		
27	Statutory tax rate	24.9500% [3]
28		
29	Impact to income taxes (-L25 x L27)	\$ (502)
30		
31	Impact to operating income (-L25 - L29)	\$ (1,511)

[1] Information provided by Duke Energy Carolinas Accounting and Reporting

[2] SC2100-2 Deferral, Total

[3] SC1010-4 Tax Rate - 2023 Calculation of Tax Rates, Line 10

Note: Totals may not foot due to rounding

DUKE ENERGY CAROLINAS, LLC  
 Docket No. 2023-388-E  
 Levelize nuclear refueling outage costs  
 For the Test Period Ending December 31, 2022  
 (Dollars in thousands)

Supplemental Direct  
 SC2100-2 Deferral  
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SC Amortization of Outage Deferral - For the Test Period Ending December 31, 2022

Line No.	Description	Total	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Nov-22	Dec-22
1	McGuire Unit 1	\$ 3,773	\$ 315	\$ 315	\$ 315	\$ 315	\$ 315	\$ -	\$ 366	\$ 366	\$ 366	\$ 366	\$ 366	\$ 366
2	McGuire Unit 2	4,512	376	376	376	376	376	376	376	376	376	376	376	376
3	Catawba Unit 1	573	102	43	43	43	43	43	43	43	43	43	43	43
4	Catawba Unit 2	1,130	97	97	97	97	97	97	97	97	97	97	97	68
5	Oconee Unit 1	3,056	255	255	255	255	255	255	255	255	255	255	255	255
6	Oconee Unit 2	2,787	-	253	253	253	253	253	253	253	253	253	253	253
7	Oconee Unit 3	2,970	186	186	186	186	186	186	309	309	309	309	309	309
8	Total	\$ 18,802	\$ 1,331	\$ 1,524	\$ 1,524	\$ 1,524	\$ 1,524	\$ 1,209	\$ 1,699	\$ 1,699	\$ 1,699	\$ 1,699	\$ 1,699	\$ 1,670

[1] Information provided by Duke Energy Carolinas Accounting

DUKE ENERGY CAROLINAS, LLC  
Docket No. 2023-388-E  
Adjust test year rent expense  
For the Test Period Ending December 31, 2022

Supplemental Direct  
SC2150 Narrative

Detailed Narrative Explanation of Adjustment

During 2022 and 2023, the Company exited 526 S. Church Street, 401 S. College Street, 400 S Tryon Street, 550 South Tryon Street and Piedmont TownCenter buildings and transitioned to the Duke Energy Plaza building in 2023.

The pro forma adjustments replace the Test Period amounts for rent revenue, DEBS rent expense, and property insurance related to 526 S. Church and 401 S. College Street with inter-company rent revenue, DEBS rent expense, and property insurance related to the Duke Energy Plaza.

1. The rent expense allocated to DEC from DEBS for the Charlotte real estate portfolio (rent and overhead loaders) during the test period and on a prospective basis was obtained from Service Company Accounting.
2. The percentage of electric operation and maintenance expense to apply to the overhead loaders portion is pulled from SC2050.
3. The adjustment to rent expense is calculated by comparing test period and prospective amounts.
4. The prospective rent revenue as of September 30, 2023 is subtracted from rent revenue during the test year.
5. Prospective property insurance as of September 30, 2023 is subtracted from property insurance during the test year.
6. The impact to income taxes was determined by multiplying taxable income by the statutory tax rate.

Supplemental Direct  
For the supplemental update, Rent Revenue and rent expense was updated to align with DE Plaza plant-in-service as of 12/31/2023.

DUKE ENERGY CAROLINAS, LLC  
 Docket No. 2023-388-E  
 Adjust test year rent expense  
 For the Test Period Ending December 31, 2022  
 (Dollars in thousands)

Supplemental Direct  
 SC2150 Summary  
 Page 1 of 1

Line No	<u>Impacted Income Statement Line Items</u>	Source	Total	Total	Change
			SC Retail	SC Retail	
1	Sales of Electricity	SC2150-1	10,356	10,157	200
2	Other Revenue		\$ 10,356	\$ 10,157	\$ 200
3	Electric operating revenue (L1+L2)				
4					
5	<u>Electric operating expenses:</u>				
6	Operation and maintenance:				
7	Fuel used in electric generation	SC2150-1	\$ 1,640	\$ 1,587	\$ 53
8	Purchased power				
9	Other operation and maintenance expense				
10	Depreciation and amortization				
11	General taxes				
12	Interest on customer deposits				
13	EDIT Amortization				
14	Net income taxes	SC2150-1	\$ 2,175	\$ 2,138	\$ 36
15	Amortization of investment tax credit				
16	Total electric operating expenses (Sum L7:L15)		\$ 3,815	\$ 3,725	\$ 90
17					
18	Operating income (L3-L16)		\$ 6,541	\$ 6,432	\$ 110
19	<u>Rate Base</u>	Source	Total	Total	Change
			SC Retail	SC Retail	
20	Electric plant in service				
21	Accumulated depreciation and amortization				
22	Net electric plant in service (L20 + L21)				
23	Construction Work in Progress				
24	Plant Held for Future Use				
25	Materials and supplies				
26	Total Working Capital				
27	Accumulated deferred income taxes				
28	Operating reserves				
29	Total Rate Base (Sum L22:L28)		\$ -	\$ -	\$ -

DUKE ENERGY CAROLINAS, LLC  
 Docket No. 2023-388-E  
 Adjust test year rent expense  
 For the Test Period Ending December 31, 2022  
 (Dollars in thousands)

Supplemental Direct  
 SC2150-1 Calculation  
 Page 1 of 1

Adjust test period for exiting older buildings and adding DE Plaza

Line No.	Description	Total System	SC Retail Allocation [4]	Total SC Retail
1	<u>Impact to Income Statement Line Items</u>			
2	Estimated increase in rent revenue.	\$ 42,584 [1]	24.3191%	\$ 10,356
3				
3	Increased rent expense allocated from DEBS	\$ 6,717 [2]	24.3191%	\$ 1,634
4				
5	Increased property insurance	27 [3]	24.3191%	7
6				
7	Impact to operations and maintenance expense (L3 + L5)	\$ 6,745		\$ 1,640
8				
9	Impact to operating income before taxes (L2 - L7)	\$ 35,839		\$ 8,716
10				
11	Statutory tax rate	24.9500%		24.9500%
12				
13	Impact to income taxes (L9 * L11)	\$ 8,942		\$ 2,175
14				
15	Impact to operating income after taxes (L9-L13)	\$ 26,897		\$ 6,541

- [1] SC2150-2 Rent Revenue  
 [2] SC2150-3 DEBS Rent Expense  
 [3] SC2150-4 Property Insurance  
 [4] DEC SC Retail Allocation - All - Labor - Jur

Jiggetts Supplemental Direct Exhibit 4  
 Docket 2023-388-E  
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DUKE ENERGY CAROLINAS, LLC  
 Docket No. 2023-388-E  
 Adjust test year rent expense  
 For the Test Period Ending December 31, 2022  
 (Dollars in thousands)

Supplemental Direct  
 SC2150-2 Rent Revenue  
 Page 1 of 1

Adjust test period DEC Inter- Company and Parking revenue

Line No.	Description	2022 [1]	Pro Forma [1]	Adjustment
1	DEBS - 526 S. Church and 401 S. College	\$ 9,156	\$ -	\$ (9,156)
2	DEBS - DE Plaza	-	\$ 44,814	44,814
3	Piedmont - DE Plaza	-	\$ 5,195	5,195
4	Comm Enterprise - DE Plaza	-	\$ 232	232
5	DE Florida - DE Plaza	-	\$ 106	106
6	DE Indiana - DE Plaza	-	\$ 169	169
7	DE Progress - DE Plaza	-	\$ 1,225	1,225
8	Total DEC Inter-Company Rent Revenue (Sum L1 : L7)	\$ 9,156 [2]	\$ 51,741	\$ 42,584
9	Estimated increase in rent revenue.	<u>\$ 9,156</u>	<u>\$ 51,741</u>	<u>\$ 42,584</u>

[1] Per service company accounting

[2] DEC inter-company rent revenue is charged to account 0454105

DUKE ENERGY CAROLINAS, LLC  
 Docket No. 2023-388-E  
 Adjust test year rent expense  
 For the Test Period Ending December 31, 2022  
 (Dollars in thousands)

Supplemental Direct  
 SC2150-3 DEBS Rent Expense  
 Page 1 of 1

Adjust DEBS test period rent expense charged to DEC

Line No.	Description	DEBS Expense Acct 0931001 <u>2022 [1]</u>	DEBS OH Loader Acct 0930200 <u>2022 [1]</u>	DEBS Net Expense <u>2022</u>	2022 OU DERE DEC Allocation [3]	DEC Direct Net Rent Expense <u>2022</u>	DEBS Expense Acct 0931001 Pro Forma [1]	DEBS OH Loader Acct 0930200 Pro Forma	DEBS Net Expense Pro Forma	OU DERE DEC Allocation [3]	DEC Direct Net Rent Expense Pro Forma
		\$	\$	\$	%	\$	\$	\$	\$	%	\$
1	<u>DEBS Rent Expense - Net of O&amp;M Loaders</u>										
2	400 South Tryon	\$ 12,800	\$ (8,576)	\$ 4,224	40.54%	\$ 1,712	\$ -	\$ -	\$ -	42.58%	\$ -
3	526 S. Church and 401 S. College	9,156	(6,135)	3,022	40.54%	1,225	-	-	-	42.58%	-
4	550 South Tryon	24	(16)	8	40.54%	3	-	-	-	42.58%	-
5	Piedmont Town Center	2,226	(1,491)	734	40.54%	298	-	-	-	42.58%	-
6	Duke Energy Plaza	-	-	-	40.54%	-	44,814	(30,025)	14,788	42.58%	6,297
7	Charlotte Rent Expense (Sum L2 : L6)	\$ 24,206	\$ (16,218)	\$ 7,988		\$ 3,238	\$ 44,814	\$ (30,025)	\$ 14,788		\$ 6,297
8											
9											
10											
11											
12	<u>DEBS Rent Expense - OH Loaders Charged to O&amp;M</u>		DEBS OH Loader Various Accts. <u>2022 [1]</u>	DEC Allocated Rent Expense <u>2022</u>			DEBS OH Loader Various Accts. Pro Forma		DEBS OH Loader Various Accts. Pro Forma		
13	400 South Tryon	\$ 8,576	\$ 3,477				\$ -			42.58%	\$ -
14	526 S. Church, 401 S. College and Charlotte Cust Call Center	6,135	2,487				-			42.58%	-
15	550 South Tryon	16	7				-			42.58%	-
16	Piedmont Town Center	1,491	605				-			42.58%	-
17	Duke Energy Plaza	-	-				30,025			42.58%	12,785
18	Charlotte Rent Expense (Sum L13 : L17)	\$ 16,218	\$ 6,575				\$ 30,025				\$ 12,785
19											
20	Percent of incurred labor costs charged to electric expense			58.92% [2]							58.92% [2]
21											
22	Estimated amount of rent expense allocted to DEC O&M as a labor overhead (L18 x L20)			\$ 3,874							\$ 7,533
23											
24	Estimated amount of Charlotte rent expense (L7 + L22)			\$ 7,112							\$ 13,830
25											
26	Rent expense from DEBS allocation adjustment										\$ 6,717

[1] Per service company accounting

[2] SC2050-1 Normalize O&M labor expenses- DEC

[3] SC2150-5 - CAM (Service Company Cost Allocation Details)

DUKE ENERGY CAROLINAS, LLC  
 Docket No. 2023-388-E  
 Adjust test year rent expense  
 For the Test Period Ending December 31, 2022  
 (Dollars in thousands)

Supplemental Direct  
 SC2150-4 Property Insurance  
 Page 1 of 1

Adjust test period DEC Property Insurance

Line No.	Description	526 S. Church	401 S. College	Mint St. Garage	DE Plaza	Total
1	<u>2022 Insurance Premiums</u>	\$ 0	\$ 36	\$ 4	\$ -	
2	DEBS					
3	DEC	38	-	-		
4	Total Insurance Premium (L2 + L3)	\$ 38	[1]	\$ 4	[1]	\$ - [1]
5						
6	DEC Allocation Factor (DGAC)	33.35%	[2]	33.35%	[2]	33.35% [2]
7						
8	2022 Property Insurance Premium charged to DEC	\$ 38	\$ 12	\$ 1	\$ -	\$ 51
9						
10	<u>Pro Forma Insurance Premiums</u>	526 S. Church	401 S. College	Mint St. Garage	DE Plaza	
11	DEBS	\$ -	\$ -	\$ -	\$ -	
12	DECS	-	-	-	78	
13	Total Insurance Premium	\$ -	\$ -	\$ -	\$ 78	[1]
14						
15	DEC Allocation Factor (DGAC)	33.48%	[3]	33.48%	[3]	33.48% [3]
16						
17	Pro Forma Insurance Premium charged to DEC	\$ -	\$ -	\$ -	\$ 78	\$ 78
18						
19	Estimated adjustment to property insurance	\$ (38)	\$ (12)	\$ (1)	\$ 78	\$ 27

[1] Per Insurance Department

[2] Per SC2150-5 CAM for 2022 DGAC

[3] Per SC2150-5 CAM for 2023 DGAC

DUKE ENERGY CAROLINAS, LLC  
 Docket No. 2023-388-E  
 Adjust test year rent expense  
 For the Test Period Ending December 31, 2022

Supplemental Direct  
 SC2150-5 CAM  
 Page 1 of 1

#### Service Company Cost Allocation Details

Line

No.

Description

Total DEC

1 2022 CAM - DERE

40.54%

3

4 **2022 SERVICE COMPANY COST ALLOCATION DETAILS**  
**COST ALLOCATIONS IN SERVICE AGREEMENTS**

8	Function	Function Description	Allocation Method	Operating Unit (OU)	Function	OU Description	Allocation Pool	St Cd	Total DEC	Total DEP	Total DEF	DEI Total	DEK Total	DEO Total	Total Comm Trans-Elec	Total Electric Utilities
9	<b>Facilities</b>  Operates and maintains office and service buildings. Provides security and housekeeping services for such buildings and procures office furniture and equipment.	<i>Square Footage Ratio</i>	GORE	Facilities	RE Facility Svcs CLT GO	CLTSQFFAC	S27	48.62	33.97	0.67	0.34	-	0.03	-	83.63	
10			CNRE	Facilities	RE Fac Svcs - Cincinnati	CINSQFFAC	S50	18.49	12.92	-	9.45	-	10.27	-	51.13	
11			PLRE	Facilities	RE Fac Svcs - Plainfield	PLDSQFFAC	S51	13.30	9.30	1.24	72.57	-	-	-	96.41	
12			MWRE	Facilities	RE Facility Services MW Utility	UTMSQFFAC	S71	-	-	-	46.46	3.28	29.88	-	79.62	
13			DERE	Facilities	RE Facility Services Ent DE	DENT3FFFAC	D39	40.54	28.33	13.31	5.07	-	0.37	-	87.62	

18

20 2023 CAM - DERE

42.58%

21 2023 CAM - DGAC

33.48%

22 **2023 SERVICE COMPANY COST ALLOCATION DETAILS**  
**COST ALLOCATIONS IN SERVICE AGREEMENTS**

25	Function	Function Description	Operating Unit (OU)	Function	OU Description	Allocation Pool	St Cd	Total DEC	Total DEP	Total DEF	Total DEI	Total DEK	Total DEO	Total Comm Trans-Elec	Total Electric Utilities
26	<b>Supply Chain -</b>  Provides services in connection with the procurement of materials and contract services and payment processing:  processes payments to vendors, and provides management of material and supplies inventories.	<i>Procurement Spending Ratio</i>	DUSC	Materials Management	Matls Mgmt Sply Chn Util DE	DUTIPROSPC	D19	38.03	18.57	19.87	9.76	0.95	2.52	0.01	87.71
27			DESC	Materials Management	Matls Mgmt Sply Chain Ent DE	DENTPROSPC	D08	33.83	17.50	18.66	9.16	0.89	2.37	0.01	82.42
28			UPPD	Materials Management	MW ELEC/GAS DELIVRY STOREROOM	UTBRCPSPMM	S72	-	-	-	-	7.06	77.28	-	84.34
29			UTIN	Materials Management	Matls Mgmt Inventory Util	UTIINVSPC	S20	20.10	25.51	27.38	15.35	0.11	11.55	-	100.00
30	<b>Facilities</b>  Operates and maintains office and service buildings. Provides security and housekeeping services for such buildings and procures office furniture and equipment.	<i>Square Footage Ratio</i>	GORE	Facilities	RE Facility Svcs CLT GO	CLTSQFFAC	S27	51.44	33.83	0.29	0.29	-	0.03	-	85.88
31			CNRE	Facilities	RE Fac Svcs - Cincinnati	CINSQFFAC	S50	16.19	10.65	0.89	8.28	-	9.45	-	45.46
32			PLRE	Facilities	RE Fac Svcs - Plainfield	PLDSQFFAC	S51	10.19	6.70	0.71	78.22	-	-	-	95.82
33			MWRE	Facilities	RE Facility Services MW Utility	UTMSQFFAC	S71	-	-	-	47.92	3.22	29.20	-	80.34
34			DERE	Facilities	RE Facility Services Ent DE	DENT3FFFAC	D39	42.58	28.01	12.29	4.94	-	0.31	-	88.13
35	<b>Accounting</b>  Maintains the books and records of Duke Energy Corporation and its affiliates, prepares financial and statistical reports, prepares tax filings and supervises compliance with the laws and regulations.	<i>Three Factor Formula</i>	DGAC	Accounting	Accounting Grvce	DGOV3FFFACT	DG1	33.48	22.21	17.54	10.13	1.14	3.69	-	88.19
36			DGVP	Accounting	VSP - Governance DE	DGOV3FFVSP	DG3	35.74	23.71	18.73	10.82	1.22	3.94	-	94.16
37			PGVP	Accounting	VSP - Governance	PRGV3FFVSP	PG3	-	55.82	44.18	-	-	-	-	100.00
38			DEAC	Accounting	Accounting Svcs Ent DE	DENT3FFFACT	D03	33.48	22.22	17.54	10.13	1.14	3.69	-	88.20
39			UTAC	Accounting	Acctg Svcs Utility	UTB1FACT	S09	34.64	22.96	18.15	10.49	1.19	3.82	-	91.25
40			UMAC	Accounting	Acctg Svcs Util MW F&G only	UTM3FFFACT	S53	-	-	-	60.00	6.69	21.48	-	88.17

50

DUKE ENERGY CAROLINAS, LLC  
Docket No. 2023-388-E  
Adjust O&M for Reliability Assurance  
For the Test Period Ending December 31, 2022

Supplemental Direct  
SC2160 Narrative

Detailed Narrative Explanation of Adjustment

This proforma adjusts operation expense and income taxes for incremental O&M projects reliability assurance to guard against future impacts of severe weather events. The expense adjustment reflects a 3 year average expense level from 2024-2026 compared to the test year expense level.

The impact to income taxes is determined by multiplying taxable income by the statutory tax rate.

**Supplemental Direct**

Amounts changed based on adjusted budgets provided by Witness Walsh.

DUKE ENERGY CAROLINAS, LLC  
 Docket No. 2023-388-E  
 Adjust O&M for Reliability Assurance  
 For the Test Period Ending December 31, 2022  
 (Dollars in thousands)

Supplemental Direct  
 SC2160 Summary  
 Page 1 of 1

Line No	<b>Impacted Income Statement Line Items</b>	Source	Total SC Retail Supplemental Direct	Total SC Retail Application	Change
1	Sales of Electricity		\$	-	\$ - -
2	Other Revenue				
3	Electric operating revenue (L1+L2)				
4					
5	<u>Electric operating expenses:</u>				
6					
7	Fuel used in electric generation				
8	Purchased power				
9	Other operation and maintenance expense	NC2130-1	\$ 1,553	\$ 2,048	\$ (495)
10	Depreciation and amortization				
11	General taxes				
12	Interest on customer deposits				
13	EDIT Amortization				
14	Net income taxes	NC2130-1	(387)	(511)	124
15	Amortization of investment tax credit				
16	Total electric operating expenses (sum(L7:L15))		\$ 1,165	\$ 1,537	\$ (372)
17					
18	Operating income (L3-L16)		\$ (1,165)	\$ (1,537)	\$ 372
19	<b>Rate Base</b>	Source	Total SC Retail Supplemental Direct	Total SC Retail Application	Change
20	Electric plant in service		\$ -	\$ -	\$ -
21	Accumulated depreciation and amortization		\$ -	\$ -	\$ -
22	Net electric plant in service (L20 + L21)		\$ -	\$ -	\$ -
23	Construction Work in Progress		\$ -	\$ -	\$ -
24	Plant Held for Future Use		\$ -	\$ -	\$ -
25	Materials and supplies		\$ -	\$ -	\$ -
26	Total Working Capital		\$ -	\$ -	\$ -
27	Accumulated deferred income taxes		\$ -	\$ -	\$ -
28	Operating reserves		\$ -	\$ -	\$ -
29	Total Rate Base (sum(L22:L28))		\$ -	\$ -	\$ -

DUKE ENERGY CAROLINAS, LLC  
Docket No. 2023-388-E  
Adjust O&M for Reliability Assurance  
For the Test Period Ending December 31, 2022  
(Dollars in thousands)

Supplemental Direct  
SC2160-1 Calculation  
Page 1 of 1

Line No.	Description	Total System	SC Retail Allocation	Total NC Retail
1	<u>Impact to Income Statement Line Items</u>			
2	<u>Other operation and maintenance expense:</u>			
3	Belews Creek	1,009		
4	Cliffside	1,682		
5	Marshall	4,037		
6	Impact to O&M	\$ 6,729	23.08%	\$ 1,553
7				
8	Statutory tax rate			24.9500% [2]
9				
10	Impact to income taxes (-L6x L8)			\$ (387)
11				
12	Impact to operating income (-L6 - L10)			\$ (1,165)

[1] NC2160-2 - Forecasted Incremental O&M for reliability assurance.

[2] NC1010-4 - 2022 Calculation of Tax Rates - Statutory Tax Rate, Line 10

[3] All - Production Demand - Jur

DUKE ENERGY CAROLINAS, LLC  
Docket No. 2023-388-E  
Adjust O&M for Reliability Assurance  
For the Test Period Ending December 31, 2022  
(Dollars in thousands)

Supplemental Direct  
SC2160-2 Forecast O&M  
Page 1 of 1

Forecasted Incremental O&M projects for Reliability Assurance

Line No.	Category	2024 <u>O&amp;M</u>	2025 <u>O&amp;M</u>	2026 <u>O&amp;M</u>	3 year <u>Average</u>
1	Belews Creek	1,009	1,009	1,009	1,009
2	Cliffside	1,682	1,682	1,682	1,682
3	Marshall	4,037	4,037	4,037	4,037
4	Total DEC	\$ 6,729	\$ 6,729	\$ 6,729	\$ 6,729

[1] Forecasted Incremental O&M to address Reliability Assurance provided by RRE to address items such as Threat analysis, Winterization O&M, Reliability Improvements

DUKE ENERGY CAROLINAS, LLC  
Docket No. 2023-388-E  
Annualize Depreciation  
For the Test Period Ending December 31, 2022

Supplemental Direct  
SC3010 Narrative

Detailed Narrative Explanation of Adjustment

This pro-forma annualizes depreciation expense, income taxes, accumulated depreciation, and amortization of investment tax credit to reflect a full year's level of depreciation on plant in service as of the end of the capital cutoff.

The impact to depreciation expense is determined by multiplying current depreciation rates times the level of plant in service forecasted at the end of the capital cutoff and then subtracting actual depreciation expense booked during the test period.

The impact to income taxes is determined by multiplying taxable income by the statutory tax rate.

The impact to amortization of investment tax credit reflects the difference between actual amortization booked during the test period and the new annual level of amortization per the tax department

The impact to accumulated depreciation reflects one year of the depreciation expense adjustment at the forecasted plant in service balance as of the end of the capital cutoff

**Supplemental Direct**

Updated Plant in service balances to be actuals as of December 31, 2023.

DUKE ENERGY CAROLINAS, LLC  
Docket No. 2023-388-E  
Annualize Depreciation  
For the Test Period Ending December 31, 2022  
(Dollars in thousands)

Supplemental Direct  
SC3010 Summary  
Page 1 of 1

Line No	<u>Impacted Income Statement Line Items</u>	Source	Total	Total	Change
			SC Retail	SC Retail	
			Supplemental	Application	
1	Sales of Electricity		\$	-	
2	Other Revenue		\$	-	
3	Electric operating revenue (L1+L2)		\$	-	
4			\$	-	
5	<u>Electric operating expenses:</u>				
6	Operation and maintenance:				
7	Fuel used in electric generation				
8	Purchased power				
9	Other operation and maintenance expense				
10	Depreciation and amortization	SC3010-1	53,545	53,596	(52)
11	General taxes				
12	Interest on customer deposits				
13	EDIT Amortization				
14	Net income taxes	SC3010-1	(13,359)	(13,372)	13
15	Amortization of investment tax credit	SC3010-1	\$ (0)	\$ (0)	
16	Total electric operating expenses (sum(L7:L15)		\$ 40,185	\$ 40,224	\$ (39)
17					
18	Operating income (L3-L16)		\$ (40,185)	\$ (40,224)	\$ 39
19	<u>Rate Base</u>	Source	Total	Total	Change
			SC Retail	SC Retail	
			Supplemental	Application	
20	Electric plant in service		\$	-	
21	Accumulated depreciation and amortization	SC3010-1	\$ (17,848)	\$ (18,328)	\$ 480
22	Net electric plant in service (L20 + L21)		\$ (17,848)	\$ (18,328)	\$ 480
23	Construction Work in Progress		\$ -	\$ -	\$ -
24	Plant Held for Future Use		\$ -	\$ -	\$ -
25	Materials and supplies		\$ -	\$ -	\$ -
26	Total Working Capital		\$ -	\$ -	\$ -
27	Accumulated deferred income taxes		\$ -	\$ -	\$ -
28	Operating reserves		\$ -	\$ -	\$ -
29	Total Rate Base (sum(L22 through :L28)		\$ (17,848)	\$ (18,328)	\$ 480

DUKE ENERGY CAROLINAS, LLC  
 Docket No. 2023-388-E  
 Annualize Depreciation  
 For the Test Period Ending December 31, 2022  
 (Dollars in thousands)

Supplemental Direct  
 SC3010-1 Calculation  
 Page 1 of 1

<u>Line No.</u>	<u>Description</u>	<u>Source</u>	<u>Total SC Retail</u>
1	<b><u>Income Statement</u></b>		
2			
3	Impact to depreciation and amortization	SC3010-2 Depreciation Summary	\$ 53,545
4			
5	Statutory tax rate		24.9500% [1]
6			
7	Impact to income taxes (-L5 x L3)		\$ (13,359)
8			
9	Impact to amortization of investment tax credit	SC3010-5 Amort of ITC	\$ (0.241)
10			
11	Impact to operating income (-L3 - L7 - L9)		\$ (40,185)
12			
13	<b><u>Rate Base</u></b>		
14			
15	Production Reserve	SC3010-4 Acc Depr Summary	(\$6,036)
16	Transmission Reserve	SC3010-4 Acc Depr Summary	(\$778)
17	Distribution Reserve	SC3010-4 Acc Depr Summary	(\$9,118)
18	General Reserve	SC3010-4 Acc Depr Summary	(\$1,917)
19	Intangible Reserve	SC3010-4 Acc Depr Summary	0
20	Accumulated depreciation and amortization		\$ (17,848)

[1] SC1010-4 2022 Calculation of Tax Rates, Line 10

DUKE ENERGY CAROLINAS, LLC  
 Docket No. 2023-388-E  
 Annualize Depreciation  
 For the Test Period Ending December 31, 2022  
 (Dollars in thousands)

Supplemental Direct  
 SC3010-2 Depreciation Summary  
 Page 1 of 1

<u>Line No.</u>	<u>Description</u>	<u>Total System</u>	<u>SC Retail Allocation</u>	<u>Total SC Retail</u>
1	<u>Depreciation and amortization</u>			
2	Production (SC3010-2 Col E; Line 44) - L5 - L6	\$ 41,844	23.0754% [1]	\$ 9,656
3	Production Contra ADC - NC (SC3010-2 Col E; Line 42)	(1,051)	0.0000%	-
4	Production Contra ADC - SC (SC3010-2 Col E; Line 43)	(86)	100.0000%	(86)
5	Production Direct assigned to NC (SC3010-2 Col E; Line 4, Line 30)	(1,555)	0.0000%	-
6	Production Direct assigned to SC (SC3010-2 Col E; Line 5, Line 14, Line 31)	2,960	100.0000%	2,960
7	Transmission (SC3010-2 Col E; Line 53) - L9 - L10	810	16.7963% [2]	136
8	Transmission Contra ADC (SC3010-2 Col E; Line 52)	(10)	100.0000%	(10)
9	Transmission Direct assigned to NC (SC3010-2 Col E; Line 49)	-	0.0000%	-
10	Transmission Direct assigned to SC (SC3010-2 Col E; Line 50)	1,405	100.0000%	1,405
11	Distribution (SC3010-2 Col E; Line 58) - L14	66,845	25.0952%	16,775
12	Distribution Direct assigned to NC (SC3010-2 Col E; Line 60)	158	0.0000%	-
13	SC Distribution (SC3010-2 Col E; Line 63)	7,154	100.0000%	7,154
14	Distribution Direct assigned to SC (SC3010-2 Col E; Line 67)	(1)	100.0000%	(1)
15	General (SC3010-2 Col E; Line 86) - L16	30,656	23.6226% [3]	7,242
16	General Direct assigned to SC (SC3010-2 Col E; Line 83)	7,156	100.0000%	7,156
17	General Contra ADC - SC (SC3010-2 Col E; Line 85)	(4)	100.0000%	(4)
18	Intangible (SC3010-2 Col E; Line 93)	5,110	22.7700% [4]	1,164
19	Impact to depreciation and amortization (sum(L2 : L18))	\$ 161,389		\$ 53,545
20				

- [1] SC Retail Allocation Factor - All - Production Demand - Jur
- [2] SC Retail Allocation Factor - All - Transmission Demand - Jur
- [3] SC Retail Allocation Factor - All - General Plant - Jur
- [4] SC Retail Allocation Factor - All - Intangible Plant - Jur

Note: Totals may not foot due to rounding

DUKE ENERGY CAROLINAS, LLC  
Docket No. 2023-388-E  
Annualize Depreciation  
For the Test Period Ending December 31, 2022  
(Dollars in thousands)

Supplemental Direct  
SC3010-3 Depreciation  
Page 1 of 4

Adjustment of Depreciation Expense to Reflect Plant in Service for 12 Months Ended December 31, 2023

Line No.	Function	(A) Actual Gross Plant in Service <u>12/31/2023</u>	(B) Depr Rate	(C) Current Rates Calculated Accrual [4]	(D) Actual Test Period Expense Booked [5]	(E) Difference
1	<u>STEAM: [1]</u>					
2	STEAM PLANT	\$ 8,569,177	3.96%	\$ 339,339	\$ 330,827	\$ 8,513
3	LAND RIGHTS - STEAM [3]	2,001	0.00%	-	-	-
4	NC DEFERRALS - STEAM	-	3.96%	-	1,555	(1,555)
5	SC DEFERRALS - STEAM	-	3.96%	-	(2,960)	2,960
6	Total Steam Including Contra	\$ 8,571,178		\$ 339,339	\$ 329,422	\$ 9,917
7	Contra AFUDC NC	(117,519)	3.96%	(4,654)	(3,603)	\$ (1,051)
8	Contra AFUDC SC	(71,653)	3.96%	(2,837)	(2,203)	\$ (634)
9	Total Steam Excluding Contra	\$ 8,760,350		\$ 346,831	\$ 335,228	\$ 11,602
10	<u>NUCLEAR: [1]</u>					
12	NUCLEAR PLANT	\$ 9,470,536	2.13%	\$ 201,722	\$ 196,299	\$ 5,423
13	LAND RIGHTS - NUCLEAR [3]	957	0.84%	8	8	(0)
14	SC DEFERRALS - NUCLEAR	-	2.13%	-	-	-
15	Total Nuclear Including Contra	\$ 9,471,493		\$ 201,730	\$ 196,307	\$ 5,423
16	Contra AFUDC SC	(29,747)	2.13%	\$ (634)	\$ (1,195)	561
17	Total Nuclear Excluding Contra	\$ 9,501,240		\$ 202,364	\$ 197,502	\$ 4,862
18	<u>HYDRO: [1]</u>					
20	HYDRAULIC PLANT	\$ 2,963,513	1.99%	\$ 58,974	\$ 50,710	\$ 8,263
21	LAND RIGHTS - HYDRO [3]	23,316	0.61%	142	144	(2)
22	SC DEFERRALS - HYDRO	-	1.99%	-	-	-
23	Total Hydro Including Contra	\$ 2,986,829		\$ 59,116	\$ 50,855	\$ 8,262
24	Contra AFUDC SC	(3,627)	1.99%	\$ (72)	\$ (59)	(13)
25	Total Hydro Excluding Contra	\$ 2,990,456		\$ 59,188	\$ 50,913	\$ 8,275
26						

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Line No.	Function	(A) Actual Gross Plant in Service <u>12/31/2023</u>	(B) Depr Rate	(C) Current Rates Calculated Accrual [4]	(D) Actual Test Period Expense Booked [4]	(E) Difference
27	<u>OTHER PRODUCTION: [1]</u>					
28	OTHER (CT's)	\$ 3,201,675	3.50%	\$ 112,054	\$ 93,612	\$ 18,442
29	OTHER (SOLAR)	308,329	5.02%	15,469	15,859	(391)
30	OTHER NC DEFERRALS	-	3.50%	-	-	-
31	OTHER SC DEFERRALS	-	3.50%	-	-	-
32	Total Other Production Including Contra	\$ 3,510,003		\$ 127,523	\$ 109,471	\$ 18,051
33	Contra AFUDC SC	(40)	3.50%	(1)	(1)	(0)
34	Total Other Production Excluding Contra	\$ 3,510,044		\$ 127,524	\$ 109,473	\$ 18,051
35						
36	<u>Adjustments to Other Production</u>					
37	OTHER (SOLAR) [9]	\$ (20,694)	5.02%	\$ (1,038)	\$ (1,496)	\$ 458
38	Total Adjustments to Other Production	\$ (20,694)		\$ (1,038)	\$ (1,496)	\$ 458
39						
40						
41	TOTAL PRODUCTION INCLUDING CONTRA	\$ 24,518,808		\$ 726,670	\$ 684,560	\$ 42,111
42	PRODUCTION CONTRA ADC - NC	\$ (117,519)		\$ (4,654)	\$ (3,603)	\$ (1,051)
43	PRODUCTION CONTRA ADC - SC	(105,068)		\$ (3,545)	\$ (3,458)	(86)
44	TOTAL PRODUCTION EXCLUDING CONTRA	\$ 24,741,395		\$ 734,869	\$ 691,620	\$ 43,248
45						
46	<u>TRANSMISSION: [1]</u>					
47	TRANSMISSION OTHER	\$ 5,540,906	2.23%	\$ 123,562	\$ 122,827	\$ 735
48	TRANSMISSION RIGHT OF WAY [3]	169,760	1.03%	1,749	1,700	48
49	NC DEFERRALS - TRANSMISSION	-	2.23%	-	-	-
50	SC DEFERRALS - TRANSMISSION	-	2.23%	-	(1,405)	1,405
51	Total Transmission	5,710,666		125,311	123,122	2,188
52						
53	<u>Adjustments to Transmission</u>					
54	TEP [6]	(22,769)		(624)	(640)	16
51	TOTAL TRANSMISSION INCLUDING CONTRA	\$ 5,687,897		\$ 124,687	\$ 122,483	\$ 2,204
52	TRANSMISSION CONTRA ADC	\$ (4,503)		\$ (100)	\$ (90)	(10)
53	TOTAL TRANSMISSION EXCLUDING CONTRA	\$ 5,692,400	2.23%	\$ 124,787	\$ 122,573	\$ 2,214

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Line No.	Function	(A) Actual Gross Plant in Service <u>12/31/2023</u>	(B) Depr Rate	(C) Current Rates Calculated Accrual [4]	(D) Actual Test Period Expense Booked [4]	(E) Difference
54						
55	<u>DISTRIBUTION:</u> [1]					
56	A. OTHER	\$ 17,190,106	2.28%	\$ 391,934	\$ 325,415	\$ 66,520
57	B. R/W [3]	37,548	1.36%	511	186	325
58	Subtotal Distribution	\$ 17,227,653		\$ 392,445	\$ 325,601	\$ 66,844
59	C. NC DEFERRALS		2.28%	-	(158)	158
60	Subtotal Distribution NC	\$ -		\$ -	(158)	\$ 158
61	F. SC DEFERRALS		2.28%	-	(6,285)	6,285
62	METER AMI DEFERALS				(869)	869
63	Subtotal Distribution SC	\$ -		\$ -	(7,154)	\$ 7,154
64	TOTAL DISTRIBUTION INCLUDING CONTRA	\$ 17,227,653		\$ 392,445	\$ 318,289	\$ 74,156
65	C. OTHER CONTRA	\$ (833)	2.28%	\$ (19)	\$ (19)	(0)
66	D. R/W CONTRA	\$ (13)	1.36%	\$ (0)	\$ (0)	(0)
67	DISTRIBUTION CONTRA ADC - SC	\$ (846)		\$ (19)	\$ (19)	\$ (1)
68	TOTAL DISTRIBUTION EXCLUDING CONTRA	\$ 17,228,499		\$ 392,464	\$ 318,308	\$ 74,156
69	<u>GENERAL:</u> [1]					
70	EDP COMPUTER	\$ 146,496	12.50%	18,312	\$ 15,680	\$ 2,632
71	STRUCTURES / LEASE IMPRVMNT	656,245	3.06%	20,081	22,478	(2,397)
72	Plaza - Structures/Lease Imprvmnt	533,002	3.06%	16,310	1,924	14,386
73	VEHICLES [5]	16,017	2.30%	-	-	-
74	CONST EQUIP [5]	16,102	0.18%	-	-	-
75	DGENLAND [3]	4	1.50%	0	8	(8)
76	FURNITURE AND EQPMT	124,456	6.67%	8,301	4,437	3,864
77	STORES EQUIPMENT	877	5.00%	44	40	4
78	TOOLS, SHOPS & GARAGE EQPMT	140,956	5.00%	7,048	6,546	502
79	LABORATORY EQUIPMENT	2,374	6.67%	158	185	(26)
80	POWER OPERATED EQUIPMENT	16,076	0.18%	29	29	0
81	COMMUNICATION EQUIPMENT	396,089	10.00%	39,609	28,053	11,556
82	MISCELLANEOUS EQUIPMENT	18,217	5.00%	911	774	137
83	SC Deferrals	-	0.00%	-	(7,156)	7,156
84	TOTAL GENERAL PLANT INCLUDING CONTRA	\$ 2,066,914		\$ 110,803	\$ 72,995	\$ 37,808
85	GENERAL PLANT CONTRA ADC - SC	\$ (365)		\$ (24)	\$ (20)	\$ (4)
86	TOTAL GENERAL PLANT EXCLUDING CONTRA	\$ 2,067,279		\$ 110,827	\$ 73,016	\$ 37,812

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Line No.	Function	(A) Actual Gross Plant in Service 12/31/2023	(B) Depr Rate	(C) Current Rates Calculated Accrual [4]	(D) Actual Test Period Expense Booked [4]	(E) Difference
87						
88	<u>INTANGIBLE [2]</u>					
89	AINT (Software)	\$ 1,087,544	various	\$ 71,391	\$ 65,847	\$ 5,544
90	AINT (Software)	193,133	various	5,357	5,342	15
91	AFRCNPL (Franchise Fees)	42,866	various	2,143	2,592	(449)
92	AFEANPL (Feasibility Study)	-	various	-	-	
93	TOTAL INTANGIBLE PLANT INCLUDING CONTRA	\$ 1,357,538		\$ 78,891	\$ 73,781	\$ 5,110
94	INTANGIBLE PLANT CONTRA ADC - SC	\$ (9,150)		\$ (426)	616	(1,042)
95	TOTAL INTANGIBLE PLANT EXCLUDING CONTRA	\$ 1,366,689		\$ 79,316	\$ 73,165	\$ 6,152
96						
97						
98						
99	TOTAL PLANT-IN-SERVICE	\$ 50,858,811		\$ 1,433,496	\$ 1,272,107	\$ 161,389 [7]
100	Total Contra ADC	\$ (237,451)		\$ (8,768)	\$ (6,574)	\$ (2,194)
101	TOTAL PLANT-IN-SERVICE EXCLUDING CONTRA	\$ 51,096,262		\$ 1,442,264	\$ 1,278,682	\$ 163,582 [8]

[1] Total Plant-in Service excludes Non-Depreciable Assets and the Capitalized Asset Retirement Costs related to FAS 143.

[2] Some Intangible assets are fully depreciated/amortized and no longer accrue any expense.

[3] Land, Land Rights and Rights of Way are noted separately from the rest of Electric Plant in Service above. Land is not a depreciable asset while Land Rights and Right of Way are depreciable.

[4] The Calculated Accrual Based on Current Rates column above assumes 12 months of depreciation expense.

[5] Actual Depreciation expense incurred for the test period twelve months ended December 31, 2022.

[6] Adjustment to exclude Transmission Expansion Projects plant in service balance and related annualized depreciation expense.

[7] Sum of L41, L51, L64, L84, L93

[8] Sum of L44, L53, L68, L86, L95

[9] Adjustment to remove Solar amounts not included in rate base

**Sources:** Asset Accounting

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<u>Line No.</u>	<u>Description</u>	<u>Total System</u>	<u>SC Retail Allocation</u>	<u>Total SC Retail</u>
1	<u>Accumulated Reserve</u>			
2	Production (SC3010-5 Col E; Line 41) - sum(L3 : L6)	\$ (26,496)	23.0754% [1]	\$ (6,114)
3	Production Contra ADC - NC (SC3010-2 Col E; Line 42)	1,052	0.0000%	-
4	Production Contra ADC - SC (SC3010-2 Col E; Line 43)	78	100.0000%	78
5	Production Direct assigned to NC (SC3010-2 Col E; Line 4)	-	0.0000%	-
6	Production Direct assigned to SC (SC3010-2 Col E; Line 5)	-	100.0000%	-
7	Transmission (SC3010-2 Col E; Line 51) - sum(L8 : L10)	(4,681)	16.7963% [2]	(786)
8	Transmission Contra ADC - SC (SC3010-2 Col E; Line 44)	9	100.0000%	9
9	Transmission Direct assigned to NC (SC3010-2 Col E; Line 49)	-	0.0000%	-
10	Transmission Direct assigned to SC (SC3010-2 Col E; Line 50)	-	100.0000%	-
11	Distribution (SC3010-2 Col E; Line 58) - L58	(36,341)	25.0952% [3]	(9,120)
12	Distribution Contra ADC - SC (SC3010-2 Col E; Line 61)	2	100.0000%	2
13	General (SC3010-2 Col E; Line 78) - L14 - L15	(8,141)	23.6226% [5]	(1,923)
14	General Direct assigned to SC (SC3010-2 Col E; Line 77)	-	100.0000%	-
15	General Contra ADC - SC (SC3010-2 Col E; Line 79)	6	100.0000%	6
16	Intangible (SC3010-2 Col E; Line 87) - L17	-	22.7700% [6]	-
17	Intangible Contra ADC - SC (SC3010-2 Col E; Line 88)	-	100.0000%	-
18	Adjustment to Accumulated depreciation Reserve (Sum L2 through L16)	\$ (74,512)		\$ (17,848)

- [1] SC Retail Allocation Factor - All - Production Demand - Jur
- [2] SC Retail Allocation Factor - All - Transmission Demand - Jur
- [3] SC Retail Allocation Factor - All - Dist Plant - Jur
- [4] SC Retail Allocation Factor - SC - Dist Plant - Jur
- [5] SC Retail Allocation Factor - All - General Plant - Jur
- [6] SC Retail Allocation Factor - All - Intangible Plant - Jur

Note: Totals may not foot due to rounding

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Adjustment to Accumulated Depreciation balance as a result of annualized depreciation

Line No.	Function	(A) Actual Gross Plant in Service <u>12/31/2023</u>	(B) Depr Rate	(C) Current Rates Calculated Accum. Depr. Accrual [4]	(D) 12 Months ended 12/31/2023 Activity <u>Booked [4]</u>	(E) Difference
1	STEAM: [1]					
2	STEAM PLANT	\$ 8,569,177	3.96%	\$ 339,339	\$ 329,778	\$ 9,562
3	LAND RIGHTS - STEAM [3]	\$ 2,001	0.00%	-	-	-
4	NC DEFERRALS - STEAM		3.96%	-	-	-
5	SC DEFERRALS - STEAM		3.96%	-	-	-
6	Total Steam Including Contra	\$ 8,571,178		\$ 339,339	\$ 329,778	\$ 9,562
7	Contra AFUDC NC	(117,519)	3.96%	(4,654)	(3,602)	(1,052)
8	Contra AFUDC SC	(71,653)	3.96%	(2,837)	(2,203)	(634)
9	Total Steam Excluding Contra	\$ 8,760,350		\$ 346,831	\$ 335,583	\$ 11,247
10						
11	NUCLEAR: [1]					
12	NUCLEAR PLANT	\$ 9,470,536	2.13%	\$ 201,722	\$ 199,462	\$ 2,261
13	LAND RIGHTS - NUCLEAR [3]	\$ 957	0.84%	8	8	(0)
14	SC DEFERRALS - NUCLEAR		2.13%	-	-	-
15	Total Nuclear Including Contra	\$ 9,471,493		\$ 201,730	\$ 199,470	\$ 2,261
16	Contra AFUDC SC	(29,747)	2.13%	(634)	(1,195)	562
17	Total Nuclear Excluding Contra	\$ 9,501,240		\$ 202,364	\$ 200,665	\$ 1,699
18						
19	HYDRO: [1]					
20	HYDRAULIC PLANT	\$ 2,963,513	1.99%	\$ 58,974	\$ 55,427	\$ 3,547
21	LAND RIGHTS - HYDRO [3]	\$ 23,316	0.61%	142	142	0
22	SC DEFERRALS - HYDRO		1.99%	-	-	-
23	Total Hydro Including Contra	\$ 2,986,829		\$ 59,116	\$ 55,569	\$ 3,547
24	Contra AFUDC SC	(3,627)	1.99%	(72)	(67)	(6)
25	Total Hydro Excluding Contra	\$ 2,990,456		\$ 59,188	\$ 55,636	\$ 3,553
26						

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Line No.	Function	(A) Actual Gross Plant in Service <u>12/31/2023</u>	(B) Depr Rate	(C) Current Rates Calculated Accrual [4]	(D) 12 Months ended 12/31/2023 Expense Booked [4]	(E) Difference
27	<u>OTHER PRODUCTION:</u> [1]					
28	OTHER (CT's)	\$ 3,201,675	3.50%	\$ 112,054	\$ 101,993	\$ 10,061
29	OTHER (SOLAR)	\$ 308,329	5.02%	\$ 15,469	\$ 15,787	(319)
30	OTHER NC DEFERRALS	-	3.50%	-	-	-
31	OTHER SC DEFERRALS		3.50%	-	-	-
32	Total Other Production Including Contra	\$ 3,510,003		\$ 127,523	\$ 117,781	\$ 9,742
33	Contra AFUDC SC	(40)	3.50%	(1)	(1)	(0)
34	Total Other Production Excluding Contra	\$ 3,510,044		\$ 127,524	\$ 117,782	\$ 9,742
35						
36	<u>Adjustments to Other Production</u>					
37	OTHER (SOLAR) [8]	\$ (20,694)	5.02%	(1,038)	\$ (1,292)	254
38	Total Adjustments to Other Production	\$ (20,694)		\$ (1,038)	\$ (1,292)	\$ 254
39						
40						
41	TOTAL PRODUCTION INCLUDING CONTRA	\$ 24,518,808		\$ 726,670	\$ 701,305	\$ 25,366
42	PRODUCTION CONTRA ADC - NC	\$ (117,519)		\$ (4,654)	\$ (3,602)	\$ (1,052)
43	PRODUCTION CONTRA ADC - SC	(105,068)		\$ (3,545)	(3,466)	(78)
44	TOTAL PRODUCTION EXCLUDING CONTRA	\$ 24,741,395		\$ 734,869	\$ 694,236	\$ 26,496
45						
46	<u>TRANSMISSION:</u> [1]					
47	TRANSMISSION OTHER	\$ 5,540,906	2.23%	\$ 123,562	\$ 118,897	\$ 4,666
48	TRANSMISSION RIGHT OF WAY [3]	169,760	1.03%	1,749	1,741	7
49	NC DEFERRALS - TRANSMISSION	-	2.23%	-	-	-
50	SC DEFERRALS - TRANSMISSION	-	2.23%	-	-	-
51	Total Transmission	5,710,666		125,311	120,638	4,673
52						
53	<u>Adjustments to Transmission</u>					
54	TEP [5]	(22,769)		(624)	(624)	-
51	TOTAL TRANSMISSION INCLUDING CONTRA	\$ 5,687,897		\$ 124,687	\$ 120,014	\$ 4,673
52	TRANSMISSION CONTRA ADC	\$ (4,503)	2.23%	\$ (100)	\$ (92)	(9)
53	TOTAL TRANSMISSION EXCLUDING CONTRA	\$ 5,692,400		\$ 124,787	\$ 120,106	\$ 4,681
54						

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Line No.	Function	(A) Actual Gross Plant in Service <u>12/31/2023</u>	(B) Depr Rate	(C) Current Rates Calculated Accrual [4]	(D) 12 Months ended 12/31/2023 Expense Booked [4]	(E) Difference
55	<u>DISTRIBUTION:</u> [1]					
56	A. OTHER	\$ 17,190,106	2.28%	\$ 391,934	\$ 355,753	\$ 36,181
57	B. R/W [3]	37,548	1.36%	511	353	158
58	Subtotal Distribution	\$ 17,227,653		\$ 392,445	\$ 356,106	\$ 36,339
59	C. OTHER CONTRA	\$ (833)	2.28%	\$ (19)	\$ (17)	\$ (2)
60	D. R/W CONTRA	\$ (13)	1.36%	\$ (0)	\$ (0)	\$ (0)
61	DISTRIBUTION CONTRA ADC - SC	\$ (846)		\$ (19)	\$ (17)	\$ (2)
62	TOTAL DISTRIBUTION EXCLUDING CONTRA	\$ 17,226,807		\$ 392,426	\$ 356,089	\$ 36,337
63	<u>GENERAL:</u> [1]					
64	EDP COMPUTER	\$ 146,496	12.50%	18,312	\$ 17,832	\$ 480
65	STRUCTURES / LEASE IMPRVMT	656,245	3.06%	20,081	28,551	(8,470)
66	Plaza - Structures/Lease Imprvmnt	533,002	3.06%	16,310	14,650	1,659
67	VEHICLES [5]	16,017	2.30%	-	-	-
68	CONST EQUIP [5]	16,102	0.18%	-	559	(559)
69	DGENLAND [3]	4	1.50%	0	(4,867)	4,867
70	FURNITURE AND EQPMT	124,456	6.67%	8,301	4,355	3,946
71	STORES EQUIPMENT	877	5.00%	44	40	4
72	TOOLS, SHOPS & GARAGE EQPMT	140,956	5.00%	7,048	6,718	330
73	LABORATORY EQUIPMENT	2,374	6.67%	158	160	(1)
74	POWER OPERATED EQUIPMENT	16,076	0.18%	29	21	7
75	COMMUNICATION EQUIPMENT	396,089	10.00%	39,609	33,917	5,692
76	MISCELLANEOUS EQUIPMENT	18,217	5.00%	911	733	178
77	SC DEFERRALS	-	0.00%	-	-	-
78	TOTAL GENERAL PLANT INCLUDING CONTRA	\$ 2,066,914		\$ 110,803	\$ 102,669	\$ 8,134
79	GENERAL PLANT CONTRA ADC - SC	\$ (365)	6.67%	\$ (24)	\$ (18)	\$ (6)
80	TOTAL GENERAL PLANT EXCLUDING CONTRA	\$ 2,067,279		\$ 110,827	\$ 102,687	\$ 8,141
81						

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Line No.	Function	(A) Forecast Gross Plant in Service <u>12/31/2023</u>	(B) Depr Rate	(C) Current Rates Calculated Accrual [4]	(D) 12 Months ended 12/31/2023 Expense Booked [4]	(E) Difference
82	<u>INTANGIBLE [2]</u>					
83	AINT (Software)	\$ 1,087,544	various	\$ 71,391	\$ 71,391	\$ -
84	AINT (Software)	193,133	various	5,357	5,357	-
85	AFRCNPL (Franchise Fees)	42,866	various	2,143	2,143	-
86	AFEANPL (Feasibility Study)		various	-	-	
87	TOTAL INTANGIBLE PLANT INCLUDING CONTRA	\$ 1,357,538		\$ 78,891	\$ 78,891	\$ -
88	INTANGIBLE PLANT CONTRA ADC - SC	\$ (9,150)		\$ (426)	(426)	-
89	TOTAL INTANGIBLE PLANT EXCLUDING CONTRA	\$ 1,366,689		\$ 79,316	\$ 79,316	\$ -
90						
91						
92	TOTAL PLANT-IN-SERVICE	\$ 50,858,811		\$ 1,433,496	\$ 1,358,984	\$ 74,512 [6]
93	Total Contra ADC	\$ (237,451)		\$ (8,768)	\$ (7,621)	\$ (1,147)
94	TOTAL PLANT-IN-SERVICE EXCLUDING CONTRA	\$ 51,096,262		\$ 1,442,264	\$ 1,366,605	\$ 75,659 [7]

[1] Total Plant-in Service excludes Non-Depreciable Assets and the Capitalized Asset Retirement Costs related to FAS 143.

[2] Some Intangible assets are fully depreciated/amortized and no longer accrue any expense.

[3] Land, Land Rights and Rights of Way are noted separately from the rest of Electric Plant in Service above. Land is not a depreciable asset while Land Rights and Right of

[4] The Calculated Accrual Based on Current Rates column above assumes 12 months of depreciation expense. For assets added during the 12-month period ending December 31, 2023, depreciation expense was calculated based on the in-service date in the Actual Test Period Expense Booked column.

[5] Adjustment to Exclude Transmission Expansion Projects plant in service balance and related annualized depreciation expense.

[6] Sum of L32, L51, L58, L78, L87

[7] Sum of L44, L53, L62, L80, L89

[8] Adjustment to remove Solar amounts not included in rate base.

**Sources:** Asset Accounting and Financial Forecasting

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Amortization of Investment Tax Credit by Function

Line No.	Description	2022 <u>Amortization</u>	[4]	2023 <u>Amortization</u>	[4]	Change in <u>Amortization</u>	SC Retail Allocation	Total SC Retail
1	DISTRIBUTION	\$ 375		\$ 389		\$ 14	25.0952% [1]	\$ 4
2	HYDRO	1,204.02		1,164.23		(40)	23.0754% [2]	(9)
3	NUCLEAR	824		849		25	23.0754% [2]	6
4	OTHER PROD	0		0		(0)	23.0754% [2]	(0)
5	STEAM PROD	-		-		-	23.0754% [2]	-
6	TRANSMISSION	348		348		-	16.7963% [3]	-
7	SOLAR - CPRE NC Retail	1,140		1,174		34	0.0000%	-
8	SOLAR - CPRE Wholesale	171		176		5	0.0000%	-
9	Total ITC (Sum L1:L8)	<u>\$ 4,061</u>		<u>\$ 4,101</u>		<u>\$ 39</u>		<u>\$ 0</u>

[1] SC Retail Allocation Factor - All - Dist Plant - Jur

[2] SC Retail Allocation Factor - All - Production Demand - Jur

[3] SC Retail Allocation Factor - All - Transmission Demand - Jur

[5] Provided by EY Tax department

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Annualize Property Tax  
For the Test Period Ending December 31, 2022

Supplemental Direct  
SC3020 Narrative

Detailed Narrative Explanation of Adjustment

This pro-forma annualizes general taxes and income taxes to reflect an annual level of expense for property taxes based on the forecasted end of the capital cutoff period level of plant investment.

The impact to general taxes is determined by calculating an annual level of property tax expense equal to estimated annualized property tax less property taxes booked during the test period for both North Carolina and South Carolina. Estimated annualized property taxes are based on functionalized actual 2022 property taxes paid plus estimated functionalized property taxes on additions. Estimated property taxes on additions are calculated by multiplying taxable electric plant at December 31, 2022, less taxable electric plant at December 31, 2021, by the average property tax rate. An average property tax rate is calculated for both North Carolina and South Carolina and is calculated based on actual 2022 property taxes paid divided by forecasted December 31, 2023 taxable electric plant.

The impact to income taxes was determined by multiplying taxable income by the statutory tax rate.

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Updated Adjusted Net Change in Plant in Service through December 2023 to reflect actuals

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Line No	<u>Impacted Income Statement Line Items</u>	Source	Total	Total	
			SC Retail Supplemental Direct	SC Retail Application	Change
1	Sales of Electricity		\$	-	\$ -
2	Other Revenue				
3	Electric operating revenue (L1+L2)				
4					
5	<u>Electric operating expenses:</u>				
6	Operation and maintenance:				
7	Fuel used in electric generation				
8	Purchased power				
9	Other operation and maintenance expense				
10	Depreciation and amortization				
11	General taxes	SC3020-1	\$ 10,955	\$ 10,832	\$ 123
12	Interest on customer deposits				
13	EDIT Amortization				
14	Net income taxes	SC3020-1	\$ (2,733)	\$ (2,703)	\$ (31)
15	Amortization of investment tax credit				
16	Total electric operating expenses (sum(L6:L15))		\$ 8,222	\$ 8,129	\$ 92
17					
18	Operating income (L3-L16)		\$ (8,222)	\$ (8,129)	\$ (92)
19	<b>Rate Base</b>		Total	Total	
20	Electric plant in service		SC Retail Supplemental Direct	SC Retail Application	Change
21	Accumulated depreciation and amortization		\$ -	\$ -	\$ -
22	Net electric plant in service (L20 + L21)		\$ -	\$ -	\$ -
23	Construction Work in Progress		\$ -	\$ -	\$ -
24	Plant Held for Future Use		\$ -	\$ -	\$ -
25	Materials and supplies		\$ -	\$ -	\$ -
26	Total Working Capital		\$ -	\$ -	\$ -
27	Accumulated deferred income taxes		\$ -	\$ -	\$ -
28	Operating reserves		\$ -	\$ -	\$ -
29	Total Rate Base (sum L22:L28)		\$ -	\$ -	\$ -

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Calculation of additions:

Line	No.	Description	North Carolina			South Carolina		
			12/31/22	12/31/21	Additions	12/31/22	12/31/21	Additions
1	Electric plant in service:		(a)	(b)	(c) = (a) - (b)	(d)	(e)	(f) = (d) - (e)
2	Steam production plant	\$ 8,788,827 [1]	\$ 8,784,903 [1]	\$ 3,924	\$ 4,669 [1]	\$ 92,070 [1]	\$ (87,400)	
3	Nuclear production plant	3,551,440 [1]	\$ 3,501,282 [1]	50,158	5,683,799 [1]	5,632,372 [1]	51,427	
4	Hydro production plant	757,875 [1]	\$ 735,008 [1]	22,867	1,951,143 [1]	1,826,076 [1]	125,067	
5	Other production plant [13]	2,593,261 [1]	2,467,960 [1]	125,301	922,767 [1]	1,826,076 [1]	(903,308)	
6	Total production plant (Sum L1 through L5)	15,691,402	15,489,154	202,248	8,562,378	9,376,593	(814,214)	
7								
8	Electric plant purchased (production plant)	-	-	-	-	[2]	-	[2]
9						-	-	-
10	120.3 - Nuclear fuel assemblies in reactor	\$ 624,466 [2]	\$ 429,106 [2]	\$ 195,361	-	[2]	-	[2]
11	120.4 - Spent nuclear fuel	69,498 [2]	150,416 [2]	(80,918)	-	[2]	-	[2]
12	Total nuclear fuel (not taxable in SC) (L10 + L11)	693,964	579,521	114,442	-	-	-	-
13								
14	Plant held for future use - production	- [3]	(0) [3]	0	41,268 [3]	41,287 [3]	(19)	
15								
16	Total production (L6 + L8 + L12 + L14)	\$ 16,385,366	\$ 16,068,675	\$ 316,691	\$ 8,603,646	\$ 9,417,880	\$ (814,234)	
17								
18	Transmission plant	\$ 3,592,962 [1]	\$ 3,351,264 [1]	\$ 241,698	\$ 1,715,101 [1]	\$ 1,612,691 [1]	\$ 102,410	
19	Plant held for future use - transmission	7,450 [3]	4,790 [3]	2,660	1,551 [3]	1,644 [3]	(93)	
20	Total transmission (L18 + L19)	\$ 3,600,412	\$ 3,356,054	\$ 244,358	\$ 1,716,652	\$ 1,614,335	\$ 102,317	
21								
22	Distribution plant [13]	\$ 11,652,396 [1]	\$ 10,767,822 [1]	\$ 884,574	\$ 3,953,343 [1]	\$ 3,713,083 [1]	\$ 240,260	
23	Plant held for future use - distribution	10,797 [3]	10,340 [3]	456	4,054 [3]	3,700 [3]	354	
24	Total distribution (L22 + L23)	\$ 11,663,193	\$ 10,778,163	\$ 885,030	\$ 3,957,397	\$ 3,716,783	\$ 240,614	
25								
26	General plant [13]	\$ 1,577,207	\$ 1,238,171	\$ 339,036	\$ 175,921	\$ 186,278	\$ (10,358)	
27	Plant held for future use - general	-	-	-	-	-	-	
28	Total general (L26 + L27)	\$ 1,577,207	\$ 1,238,171	\$ 339,036	\$ 175,921	\$ 186,278	\$ (10,358)	
29								
30	Intangible plant (not taxable in NC/SC)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
31								
32	Taxable electric plant (L16 + L20 + L24 + L28 + L30)	\$ 33,226,178	\$ 31,441,063	\$ 1,785,115	\$ 14,453,615	\$ 14,935,276	\$ (481,661)	
33								
34								
35	Actual 2022 property taxes	\$ 117,708 [4]			\$ 146,502 [4]			
36	12/31/2021 taxable electric plant (L32)	\$ 31,441,063		0.3744%	\$ 14,935,276		0.9809%	
37	Average property tax rate/property taxes on additions (L35 / L36)	0.37438%		\$ 6,683	0.9809%		\$ (4,725)	
38								
39	Combined average property tax rate (Sum L35 / Sum L36)		0.5697%					

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Line No.	Description	(Based on property at 12/31/2021)	(Actual 2021 based on property at 12/31/2020)	(Using 2021 prop tax rates & additions from 12/31/2020 to 12/31/2021) Estimated Property Tax on Additions	(Actual using property at 12/31/2021 and 2020 tax rates) Estimated Annualized Property Tax	(Actual booked during test year) Property Tax Booked	Property Tax Adjustment
			Col A	Col B Ratio Col A	Col C Additions x Rate	Col D (Col B + Col C)	Col E
<u>Functionalization of property taxes:</u>							
40							
41							
42	Production - NC	54.5891% [5]	\$ 64,256	\$ 1,186	\$ 65,442	\$ 63,305	\$ 2,137
43	Transmission - NC	9.5316% [5]	\$ 11,220	915	\$ 12,135	\$ 11,053	1,082
44	Distribution - NC	31.9594% [5]	\$ 37,619	3,313	\$ 40,932	\$ 37,062	3,870
45	General - NC	3.9199% [5]	\$ 4,614	1,269	\$ 5,883	\$ 4,546	1,337
46	Intangible - NC	0.0000% [5]	-	-	-	-	-
47	Total (Sum L42 through L46)	100.0000%	\$ 117,708 [4]	\$ 6,683	\$ 124,392	\$ 115,966 [6]	\$ 8,426
48	Production - SC	60.4446% [5]	\$ 88,553	\$ (7,987)	\$ 80,566	\$ 83,951	\$ (3,385)
49	Transmission - SC	11.2902% [5]	\$ 16,540	1,004	\$ 17,544	\$ 15,681	1,863
50	Distribution - SC	27.0856% [5]	\$ 39,681	2,360	\$ 42,041	\$ 37,619	4,422
51	General - SC	1.1795% [5]	\$ 1,728	(102)	\$ 1,626	\$ 1,638	(12)
52	Intangible - SC	0.0000% [5]	-	-	-	-	-
53	Total (Sum L48 through L52)	100.0000%	\$ 146,502 [4]	\$ (4,725)	\$ 141,777	\$ 138,890 [6]	\$ 2,888
<u>Allocation of property tax adjustment and calculation of income taxes:</u>							
54	Production - NC (L42, Col F)		\$ 2,137	<u>Total System</u>	<u>SC Allocation</u>	<u>SC Retail</u>	<u>PTY Net Change</u>
55	Production - SC (L48, Col F)		\$ (3,385)				
56	Total (Sum L54 through L55)		\$ (1,248)	23.0754% [7]	\$ (288)	\$ 918	\$ 630
57							
58	Transmission - NC (L43, Col F)		\$ 1,082				
59	Transmission - SC (L49, Col F)		\$ 1,863				
60	Total (Sum L58 through L59)		\$ 2,945	16.7963% [8]	\$ 495	\$ 416	\$ 911
61							
62	Distribution - NC (L44, Col F)		\$ 3,870				
63	Distribution - SC (L50, Col F)		\$ 4,422	100.0000% [9]	\$ 4,422	\$ 4,176	\$ 8,598
64	Total (Sum L62 through L63)		\$ 8,292				
65							
66	General - NC (L45, Col F)		\$ 1,337				
67	General - SC (L51, Col F)		\$ (12)				
68	Total (Sum L66 through L67)		\$ 1,325	23.6226% [10]	\$ 313	\$ 503	\$ 816
69							
70	Intangible - NC (L46, Col F)		\$ -				
71	Intangible - SC (L52, Col F)		\$ -	22.7700% [11]	\$ -	\$ -	\$ -
72	Total (Sum L70 through L71)		\$ -				
73							
74	Impact to general taxes - total property tax adjustment (L56+L60+L64+L68+L72)		\$ 11,314		\$ 4,942	\$ 6,013	\$ 10,955
75							
76	Statutory tax rate			24.9500% [12]			24.9500%
77	Impact to income tax (-L74 x L76)		\$ (2,823)				\$ (2,733)
78	Impact to operating income (-L74 - L77)		\$ (8,491)				\$ (8,222)

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<u>Adjusted Net Change in Plant in Service through December 2023</u>	<u>System Balance</u>	<u>SC Allocation</u>	<u>SC Retail</u>	<u>Property Tax Rate</u>	<u>Property Tax on PTY Net Change</u>
79 Steam plant	\$ 55,670	23.0754%	\$ 12,846	0.570%	\$ 73
80 Nuclear plant	238,339	23.0754%	54,998	0.570%	313
81 Hydro plant	308,055	23.0754%	71,085	0.570%	405
82 Other production plant	96,212	23.0754%	22,201	0.570%	126
83 Transmission plant	434,649	16.7963%	73,005	0.570%	416
84 Distribution plant	1,696,640	25.0952% [13]	425,776	0.981%	4,176
85 General plant	373,547	23.6226%	88,242	0.570%	503
86 Intangible plant	72,923	22.7700%	16,605	0.000%	-
87 Total Adjusted Net Change in Plant in Service through December 2023 (Sum L80:L8)	\$ 3,276,035		\$ 764,757		\$ 6,013

[1] SC3020-2 - Duke Energy Progress Net Change in Electric Plant

[2] SC3020-3- Nuclear fuel assemblies in reactor and spent nuclear fuel

[3] SC3020-4 - Plant held for future use

[4] 2021 property taxes paid per EY Tax

[5] SC3020-5 - Electric plant balance as of 12/31/2021 and calculation of functional percentages

[6] Working Trial Balance, accounts 0408000 and 0408360

[7] SC Retail Allocation Factor - All - Production Demand - Jur

[8] SC Retail Allocation Factor - All - Transmission Deman - Jur

[9] Direct assigned to SC

[10] SC Retail Allocation Factor - All - General Plant - Jur

[11] SC Retail Allocation Factor - All - Gross Plant - Jur

[12] SC-1010-4 - Calculation of Tax Rates - Statutory Tax Rate, Line 10

[13] SC Retail Allocation Factor - All - Dist Plant - Jur

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Duke Energy Progress Net Change in Electric Plant													
	Description		North Carolina				South Carolina				Total		
		Classified & CCNC Balance 12/31/2022 (A)	Classified & CCNC Balance 12/31/2021 (B)	Classified & CCNC Net Change In Balance (C=A-B)	Classified & CCNC Balance 12/31/2022 (D)	Classified & CCNC Balance 12/31/2021 (E)	Classified & CCNC Net Change In Balance (F=D-E)	Classified & CCNC Balance 12/31/2022 (G=A+D)	Classified & CCNC Balance 12/31/2021 (H=B+E)	Classified & CCNC Net Change In Balance (I=G-H)			
<u>EPIS</u>													
Production:													
Steam	\$	8,788,827	\$	8,784,903	\$	3,924	\$	4,669	\$	92,070	\$	(87,400)	\$
Nuclear		3,551,440		3,501,282		50,158		5,683,799		5,632,372		51,427	
Hydro		757,875		735,008		22,867		1,951,143		1,826,076		125,067	
Other		2,593,261		2,467,960		125,301		922,767		1,826,076		(903,308)	
Total Production (Sum L3 : L7)	\$	15,691,402	\$	15,489,154	\$	202,248	\$	8,562,378	\$	9,376,593	\$	(814,214)	\$
Transmission	\$	3,592,962	\$	3,351,264	\$	241,698	\$	1,715,101	\$	1,612,691	\$	102,410	\$
Distribution		11,652,396		10,767,822		884,574		3,953,343		3,713,083		240,260	
General Plant		1,577,207		1,238,171		339,036		175,921		186,278		(10,358)	
Intangible Plant		1,129,833		1,101,993		27,840		120,787		104,184		16,603	
Total Other EPIS (Sum L10 : L13)	\$	17,952,398	\$	16,459,250	\$	1,493,148	\$	5,965,152	\$	5,616,236	\$	348,915	\$
Total EPIS (L8 + L14)	\$	33,643,800	\$	31,948,404	\$	1,695,396	\$	14,527,530	\$	14,992,829	\$	(465,299)	\$
<u>Other Electric Plant</u>													
102 Electric Plant Purchased	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$
105 Electric Plant Future Use		18,246		15,130		3,116		46,872		46,632		241	
114 Acquisition Adjustment		259		259		-		26		26		-	
116 Other Electric Plant Adj		865		865		-		148		148		-	
Total Other Electric Plant (Sum L19 : L22)	\$	19,370	\$	16,254	\$	3,116	\$	47,046	\$	46,805	\$	241	\$
Total Electric Plant (L16 + L23)	\$	33,663,170	\$	31,964,658	\$	1,698,512	\$	14,574,576	\$	15,039,634	\$	(465,058)	\$
Note: Excludes Asset Retirement Costs related to ASC 420-10 (codification of FAS 143) as follows:										Production - Steam	\$	2,105,027	\$
										Production - Nuclear		(251,516)	
										Production - Hydro		-	
										Production - Other		22,159	
										General Plant		(931)	
										Total Asset Retirement Costs (Sum L29 through L33)	\$	1,874,739	\$
												1,835,407	

Source: Duke Energy Asset Accounting

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ACCOUNT 120.3 - Nuclear Fuel Assemblies in Reactor

Line No.	Description	NC	SC	Total
1	Balance at December 2021	\$ 429,106	\$ 643,402	\$ 1,072,508
2	Activity in 2022	\$ 195,361	\$ (229,168)	\$ (33,807)
3	Balance at December 2021 (L1 + L2)	<u>\$ 624,466</u>	<u>\$ 414,234</u>	<u>\$ 1,038,700</u>
4				
5				

ACCOUNT 120.4 - Spent nuclear fuel

6				
7	Balance at December 2021	\$ 150,416	\$ 315,974	\$ 466,390
8	Activity in 2022	\$ (80,918)	\$ (13,725)	\$ (94,643)
9	Balance at December 2022 (L7 + L8)	<u>\$ 69,498</u>	<u>\$ 302,250</u>	<u>\$ 371,747</u>

Source: Duke Energy Asset Accounting

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PLANT HELD FOR FUTURE USE  
 BY FUNCTION AND STATE  
 12/31/22

Line No.		AK, BC Production	DD, EE, GG Transmission	HA, HB, HC Distribution	SA, SB General	TOTAL
1	Data Sources:					\$ -
2	105.10 NC	\$ -	\$ (28)	\$ 1,502	\$ -	\$ 1,474
3	105.10 SC	\$ 1	\$ 222	\$ (1)	\$ -	\$ 221
4	105.10 Total	\$ 1	\$ 194	\$ 1,500	\$ -	\$ 1,695
5	Data Sources:					
6	105.20 NC	\$ -	\$ 7,478	\$ 9,295	\$ -	\$ 16,773
7	105.20 SC	\$ 41,267	\$ 1,329	\$ 4,055	\$ -	\$ 46,651
8	105.20 Total	\$ 41,267	\$ 8,807	\$ 13,350	\$ -	\$ 63,424
9	Data Sources:					
10	105.30 NC	\$ -	\$ -	\$ -	\$ -	\$ -
11	105.30 SC	\$ -	\$ -	\$ -	\$ -	\$ -
12	105.30 Total	\$ -	\$ -	\$ -	\$ -	\$ -
13	Summary:					
14	105 NC	\$ -	\$ 7,450	\$ 10,797	\$ -	\$ 18,246
15	105 SC	\$ 41,268	\$ 1,551	\$ 4,054	\$ -	\$ 46,872
16	105 Total	\$ 41,268	\$ 9,001	\$ 14,851	\$ -	\$ 65,119

PLANT HELD FOR FUTURE USE  
 BY FUNCTION AND STATE  
 12/31/2021

Line No.		AK, BC Production	DD, EE, GG Transmission	HA, HB, HC Distribution	SA, SB General	TOTAL
25	Data Sources:					
26	105.10 NC	\$ (0)	\$ 472	\$ 1,046	\$ -	\$ 1,517
27	105.10 SC	\$ 20	\$ 315	\$ 10	\$ -	\$ 345
28	105.10 Total	\$ 20	\$ 787	\$ 1,056	\$ -	\$ 1,862
29	Data Sources:					
30	105.20 NC	\$ -	\$ 4,020	\$ 9,295	\$ -	\$ 13,314
31	105.20 SC	\$ 41,267	\$ 1,329	\$ 3,622	\$ -	\$ 46,218
32	105.20 Total	\$ 41,267	\$ 5,349	\$ 12,917	\$ -	\$ 59,533
33	Summary:					
34	105.30 NC	\$ -	\$ 299	\$ -	\$ -	\$ 299
35	105.30 SC	\$ -	\$ -	\$ 68	\$ -	\$ 68
36	105.30 Total	\$ -	\$ 299	\$ 68	\$ -	\$ 367
37	Summary:					
38	105 NC	\$ (0)	\$ 4,790	\$ 10,340	\$ -	\$ 15,130
39	105 SC	\$ 41,287	\$ 1,644	\$ 3,700	\$ -	\$ 46,632
40	105 Total	\$ 41,287	\$ 6,434	\$ 14,041	\$ -	\$ 61,762

Source: Duke Energy Asset Accounting

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Balance as of December 31, 2021 and calculation of functional percentages:

Line	No.	NC	% to Total	SC	% to Total	Total
1	Production plant excluding asset retirement obligation (ARO)	\$ 15,691,402 [1]		\$ 8,562,378 [1]		\$ 24,253,781
2	Production plant ARO	1,934,226 [1]		(58,556) [1]		1,875,670
3	Nuclear fuel	693,964 [1]		716,484 [1]		1,410,448
4	Total production plant (Sum L1 through L3)	\$ 18,319,592		\$ 9,220,306		\$ 27,539,898
5	Production plant excluding ARO depreciation reserve	\$ 6,928,775 [1]		\$ 3,433,088 [1]		\$ 10,361,863
6	Production plant ARO depreciation reserve	741,439 [1]		(62,932) [1]		678,507
7	Nuclear fuel amortization reserve	336,409 [1]		603,614 [1]		940,023
8	Total production plant depreciation & amortization reserve (Sum L5 through L7)	\$ 8,006,622		\$ 3,973,770		\$ 11,980,392
9	Production plant (including nuclear fuel), net (L4 + L8)	\$ 26,326,215		\$ 13,194,076		\$ 39,520,291
10						
11	Transmission plant	\$ 3,592,962 [1]		\$ 1,715,101 [1]		\$ 5,308,063
12	Transmission plant depreciation reserve	1,003,775 [1]		502,799 [1]		1,506,573
13	Transmission plant, net (L11 + L12)	\$ 4,596,737	9.5316%	\$ 2,217,900	11.2902%	\$ 6,814,636
14						
15	Distribution plant	11,652,396 [1]		3,953,343 [1]		15,605,739
16	Distribution plant depreciation reserve	3,760,354 [1]		1,367,457 [1]		5,127,811
17	Distribution plant, net (L15 + L16)	\$ 15,412,750	31.9594%	\$ 5,320,800	27.0856%	\$ 20,733,550
18						
19	General plant excluding ARO	\$ 1,577,207 [1]		\$ 175,921 [1]		\$ 1,753,127
20	General plant ARO	(931) [1]		- [1]		(931)
21	Total general plant (L19 + L20)	\$ 1,576,275		\$ 175,921		\$ 1,752,196
22	General plant excluding ARO depreciation reserve	\$ 314,113 [1]		\$ 55,788 [1]		\$ 369,901
23	General plant ARO depreciation reserve	5 [1]		- [1]		5
24	Total general plant depreciation and amortization reserve (L22 + L23)	\$ 314,118		\$ 55,788		\$ 369,906
25	General plant, net (L21 + L24)	\$ 1,890,393	3.9199%	\$ 231,709	1.1795%	\$ 2,122,103
26						
27	Intangible plant	\$ 1,129,833 [1]		\$ 120,787 [1]		\$ 1,250,620
28	Intangible plant amortization reserve	726,485 [1]		53,980 [1]		780,465
29	Intangible plant, net (L27 + L28)	\$ 1,856,318		\$ 174,767		\$ 2,031,085
30						
31	Electric plant purchased	- [1]		- [1]		-
32	Electric plant in service (including nuclear fuel), net (L9+L13+L17+L25+L29+L31)	\$ 50,082,413 [1]		\$ 21,139,252 [1]		\$ 71,221,665
33	Exclude intangible plant not taxable in NC or SC (-L29)	\$ (1,856,318) [1]		\$ (174,767) [1]		\$ (2,031,085)
34	Exclude nuclear fuel not taxable in SC (-L3 - L7)	[1]		(1,320,098) [1]		(1,320,098)
35	Taxable electric plant in service (including nuclear fuel in NC), net (L32 + L33 + L34)	\$ 48,226,095 [1]	100.0000%	\$ 19,644,387 [1]	100.0000%	\$ 67,870,482
36						
37	Production plant (including nucl fuel in NC), net and electric plant purchased (L9 + L31)	\$ 26,326,215	54.5891%	\$ 11,873,978	60.4446%	\$ 39,520,291

[1] SC3020-6 2022 NBV - Book Value of Fixed Assets by Physical Location

DUKE ENERGY CAROLINAS, LLC  
Docket No. 2023-388-E  
Annualize Property Tax  
For the Test Period Ending December 31, 2022  
(Dollars in thousands)

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Book Value of Fixed Assets By Physical Location - Interstate Allocation		Classified Plant and Completed Construction 12/31/2022			Classified Reserve (includes COR and RWIP) 12/31/2022			Book Value 12/31/2022		
Line	No. Description	Total*	NC	SC	Total	NC	SC	Total	NC	SC
1	0101150 - Fossil Plant	\$ 8,793,496	\$ 8,788,827	\$ 4,669	\$ 3,772,386	\$ 3,795,752	\$ (23,366)	\$ 5,021,110	\$ 4,993,074	\$ 28,036
2	0101150 - Fossil Plant ARO	2,105,027	2,105,027	-	801,442	801,442	-	1,303,585	1,303,585	-
	0101150 - Fossil Plant Early Retired Plant				118,391	118,391	-	(118,391)	(118,391)	-
3	0101200 - Nuclear Plant	9,235,239	3,551,440	5,683,799	4,203,539	1,806,122	2,397,417	5,031,700	1,745,317	3,286,382
4	0101200 - Nuclear Plant ARO	(251,516)	(192,960)	(58,556)	(126,931)	(63,999)	(62,932)	(124,585)	(128,961)	4,375
5	0120200 & 0120300 - Nuclear Fuel	1,038,700	624,466	414,234	3,519,259	1,601,502	1,917,757	(2,480,558)	(977,036)	(1,503,522)
6	0120400 - Nuclear Spent Fuel	371,747	69,498	302,250	371,747	69,498	302,250	-	-	-
7	0120512 - Nuc Fuel Retirements	-	-	-	(2,950,983)	(1,334,591)	(1,616,392)	2,950,983	1,334,591	1,616,392
8	0120550, 551, 552 Acc Amor Canisters	-	-	-	-	-	-	-	-	-
9	0120530 & 540 - Nuc Fuel Disp Cost	-	-	-	-	-	-	-	-	-
10	0101300 - Hydro Plant	2,709,018	757,875	1,951,143	996,579	207,105	789,474	1,712,439	550,770	1,161,669
11	0101300 - Hydro Plant ARO	-	-	-	-	-	-	-	-	-
12	0101400 - Other Plant (CT's) ARO	22,159	22,159	-	3,995	3,995	-	18,163	18,163	-
13	0101400 - Other Plant (CT's)	3,516,028	2,593,261	922,767	1,270,968	1,001,404	269,563	269,563,354	1,591,857	653,204
14	<u>Total Production</u>	\$ 27,539,898	\$ 18,319,592	\$ 9,220,306	\$ 11,980,392	\$ 8,006,622	\$ 3,973,770	\$ 282,877,799	\$ 10,312,970	\$ 5,246,536
15										
16	Nuclear Fuel	\$ 1,410,448	\$ 693,964	\$ 716,484	\$ 940,023	\$ 336,409	\$ 603,614	\$ 470,425	\$ 357,555	\$ 112,870
17	Production ARO	1,875,670	1,934,226	(58,556)	678,507	741,439	(62,932)	1,197,163	1,192,787	4,375
18	Prod excluding Nuclear Fuel and ARO	\$ 24,253,781	\$ 15,691,402	\$ 8,562,378	\$ 10,361,863	\$ 6,928,775	\$ 3,433,088	\$ 281,210,211	\$ 8,762,628	\$ 5,129,291
19										
20	0101500 - Transmission	\$ 5,308,063	\$ 3,592,962	\$ 1,715,101	\$ 1,506,573	\$ 1,003,775	\$ 502,799	\$ 3,801,490	\$ 2,589,187	\$ 1,212,302
	0101500 - Transmission Early Retired Plant				\$ 1,261	\$ 1,261	\$ -	\$ (1,261)	\$ (1,261)	\$ -
21										
22	<u>0101600 - Distribution</u>	\$ 15,605,739	\$ 11,652,396	\$ 3,953,343	\$ 5,127,811	\$ 3,760,354	\$ 1,367,457	\$ 10,477,929	\$ 7,892,042	\$ 2,585,886
23										
24	0101700 - General Plant	\$ 1,753,127	\$ 1,577,207	\$ 175,921	\$ 369,901	\$ 314,113	\$ 55,788	\$ 1,383,226	\$ 1,263,094	\$ 120,132
25	0101700 - General Plant ARO	(931)	(931)	-	5	5	-	(937)	(937)	-
26	<u>Total General Plant</u>	\$ 1,752,196	\$ 1,576,275	\$ 175,921	\$ 369,906	\$ 314,118	\$ 55,788	\$ 1,382,290	\$ 1,262,157	\$ 120,132
27										
28	General Plant ARO	\$ (931)	\$ (931)	\$ -	\$ 5	\$ 5	\$ -	\$ (937)	\$ (937)	\$ -
29	General Plant excluding ARO	\$ 1,753,127	\$ 1,577,207	\$ 175,921	\$ 369,901	\$ 314,113	\$ 55,788	\$ 1,383,226	\$ 1,263,094	\$ 120,132
30										
31	<u>0101800 - Intangible Plant</u>	\$ 1,250,620	\$ 1,129,833	\$ 120,787	\$ 780,465	\$ 726,485	\$ 53,980	\$ 470,154	\$ 403,347	\$ 66,807
32	0107000 - CWIP	2,668,055	1,770,785	897,269	-	-	-	2,668,055	1,770,785	897,269
33	0120100 - Nuclear Fuel (no state)	318,507,751	-	-	-	-	-	318,507,751	-	-
34	0102000 - Elect. Plant Purchased	-	-	-	-	-	-	-	-	-
35	0105000 - Future Use Plant	65,119	18,246	46,872	-	-	-	65,119	18,246	46,872
36	0114000,0115000 - Acquisition Adjs	284	259	26	284	259	26	-	-	-
37	0116000 - Other Plant Adjustments	1,013	865	148	-	-	-	1,013	865	148
38	<u>Total Electric Plant</u>	\$ 372,698,738	\$ 38,061,214	\$ 16,129,773	\$ 19,766,694	\$ 13,812,874	\$ 5,953,820	\$ 620,250,337	\$ 24,248,339	\$ 10,175,953

Source: Duke Energy Asset Accounting

DUKE ENERGY CAROLINAS, LLC  
 Docket No. 2023-388-E  
 Annualize Property Tax  
 For the Test Period Ending December 31, 2022  
 (Dollars in thousands)

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Book Value of Fixed Assets By Physical Location - Interstate Allocation		Classified Plant and Completed Construction 12/31/2021				Classified Reserve (includes COR and RWIP) 12/31/2021				Book Value 12/31/2021			
No.	Description	Total	NC	SC	Total	NC	SC	Total	NC	SC	Total	NC	SC
1	0101150 - Fossil Plant	\$ 8,876,973	\$ 8,784,903	\$ 92,070	\$ 3,542,854	\$ 3,490,217	\$ 52,637	\$ 5,334,119	\$ 5,294,686	\$ 39,433			
2	0101150 - Fossil Plant ARO	2,065,695	2,065,695	-	587,377	587,377	-	1,478,319	1,478,319	-			
	0101150 - Fossil Plant Early Retired Plant				118,391	118,391	-	(118,391)	(118,391)	-			
3	0101200 - Nuclear Plant	9,133,654	3,501,282	5,632,372	4,069,737	1,760,326	2,309,412	5,063,917	1,740,957	3,322,960			
4	0101200 - Nuclear Plant ARO	(251,516)	(192,960)	(58,556)	(120,161)	(57,279)	(62,883)	(131,354)	(135,681)	4,326			
5	0120200 & 0120300 - Nuclear Fuel	1,072,508	429,106	643,402	3,177,001	1,416,406	1,760,595	(2,104,493)	(987,301)	(1,117,192)			
6	0120400 - Nuclear Spent Fuel	466,390	150,416	315,974	466,390	150,416	315,974	-	-	-			
7	0120512 - Nuc Fuel Retirements	-	-	-	(2,572,951)	(1,163,480)	(1,409,471)	2,572,951	1,163,480	1,409,471			
8	0120550, 551, 552 Acc Amor Canisters	-	-	-	-	-	-	-	-	-			
9	0120530 & 540 - Nuc Fuel Disp Cost	-	-	-	-	-	-	-	-	-			
10	0101300 - Hydro Plant	2,561,084	735,008	1,826,076	960,548	192,425	768,123	1,600,536	542,583	1,057,952			
11	0101300 - Hydro Plant ARO	-	-	-	-	-	-	-	-	-			
12	0101400 - Other Plant (CT's) ARO	22,159	22,159	-	3,068	3,068	-	19,090	19,090	-			
13	0101400 - Other Plant (CT's)	3,446,850	2,467,960	978,889	1,181,421	937,141	244,281	244,280,957	1,530,820	734,608			
14	<u>Total Production</u>	\$ 27,393,797	\$ 17,963,570	\$ 9,430,227	\$ 11,413,675	\$ 7,435,007	\$ 3,978,668	\$ 257,995,651	\$ 10,528,563	\$ 5,451,558			
15													
16	Nuclear Fuel	\$ 1,538,898	\$ 579,521	\$ 959,377	\$ 1,070,440	\$ 403,342	\$ 667,098	\$ 468,458	\$ 176,180	\$ 292,278			
17	Production ARO	1,836,338	1,894,895	(58,556)	470,284	533,166	(62,883)	1,366,055	1,361,728	4,326			
18	Prod excluding Nuclear Fuel and ARO	\$ 24,018,560	\$ 15,489,154	\$ 8,529,406	\$ 9,872,952	\$ 6,498,499	\$ 3,374,453	\$ 256,161,138	\$ 8,990,655	\$ 5,154,954			
19													
20	0101500 - Transmission	\$ 4,963,954	\$ 3,351,264	\$ 1,612,691	\$ 1,439,731	\$ 961,712	\$ 478,020	\$ 3,524,223	\$ 2,389,552	\$ 1,134,671			
	<u>0101500 - Transmission Early Retired Plant</u>				\$ 1,261	\$ 1,261	\$ -	\$ (1,261)	\$ (1,261)	\$ -			
21													
22	0101600 - Distribution	\$ 14,480,906	\$ 10,767,822	\$ 3,713,083	\$ 5,110,132	\$ 3,733,434	\$ 1,376,698	\$ 9,370,773	\$ 7,034,389	\$ 2,336,385			
23													
24	0101700 - General Plant	\$ 1,424,450	\$ 1,238,171	\$ 186,278	\$ 459,397	\$ 364,580	\$ 94,817	\$ 965,052	\$ 873,591	\$ 91,461			
25	0101700 - General Plant ARO	(931)	(931)	-	39	39	-	(970)	(970)	-			
26	<u>Total General Plant</u>	\$ 1,423,518	\$ 1,237,240	\$ 186,278	\$ 459,436	\$ 364,619	\$ 94,817	\$ 964,082	\$ 872,621	\$ 91,461			
27													
28	General Plant ARO	\$ (931)	\$ (931)	\$ -	\$ 39	\$ 39	\$ -	\$ (970)	\$ (970)	\$ -			
29	General Plant excluding ARO	\$ 1,424,450	\$ 1,238,171	\$ 186,278	\$ 459,397	\$ 364,580	\$ 94,817	\$ 965,052	\$ 873,591	\$ 91,461			
30													
31	<u>0101800 - Intangible Plant</u>	\$ 1,206,177	\$ 1,101,993	\$ 104,184	\$ 737,984	\$ 690,396	\$ 47,589	\$ 468,193	\$ 411,597	\$ 56,595			
32	0107000 - CWIP	2,074,675	1,502,655	572,020	-	-	-	2,074,675	1,502,655	572,020			
33	0120100 - Nuclear Fuel (no state)	323,922,465	-	-	-	-	-	323,922,465	-	-			
34	0102000 - Elect. Plant Purchased	-	-	-	-	-	-	-	-	-			
35	0105000 - Future Use Plant	61,762	15,130	46,632	-	-	-	61,762	15,130	46,632			
36	0114000,0115000 - Acquisition Adjs	284	259	26	286	261	25	(2)	(3)	1			
37	0116000 - Other Plant Adjustments	1,013	865	148	-	-	-	1,013	865	148			
38	<u>Total Electric Plant</u>	\$ 375,528,550	\$ 35,940,797	\$ 15,665,288	\$ 19,162,506	\$ 13,186,689	\$ 5,975,817	\$ 598,381,574	\$ 22,754,108	\$ 9,689,471			

Source: Duke Energy Asset Accounting

DUKE ENERGY CAROLINAS, LLC  
Docket No. 2023-388-E  
Adjust for post test year additions to plant in service  
For the Test Period Ending December 31, 2022

Supplemental Direct  
SC3030 Narrative

Detailed Narrative Explanation of Adjustment

This pro forma adjusts electric plant in service, and accumulated depreciation to reflect net additions to plant in service from the end of the test period through the capital cut off.

The impact to rate base is determined as follows:

The adjustment to electric plant in service reflects projected updates to electric plant in service through December 2023.

The adjustment to accumulated depreciation reflects projected updates to the accumulated depreciation balance through December 2023.

**Supplemental Direct**

Updated Plant in service and Accumulated Depreciation balances to be actuals as of December 31, 2023.

DUKE ENERGY CAROLINAS, LLC  
 Docket No. 2023-388-E  
 Adjust for post test year additions to plant in service  
 For the Test Period Ending December 31, 2022  
 (Dollars in thousands)

Supplemental Direct  
 SC3030 Summary  
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Line No	<u>Impacted Income Statement Line Items</u>	Source	Total	Total	Change
			SC Retail	SC Retail	
1	Sales of Electricity		\$	-	\$ -
2	Other Revenue				
3	Electric operating revenue (L1+L2)				
4					
5	<u>Electric operating expenses:</u>				
6	Operation and maintenance:				
7	Fuel used in electric generation				
8	Purchased power				
9	Other operation and maintenance expense				
10	Depreciation and amortization				
11	General taxes				
12	Interest on customer deposits				
13	EDIT Amortization				
14	Net income taxes				
15	Amortization of investment tax credit				
16	Total electric operating expenses (sum(L7:L15))		\$	-	\$ -
17					
18	Operating income (L3-L16)		\$	-	\$ -
		Source	Total	Total	Change
<u>Rate Base</u>			SC Retail	SC Retail	
19		SC3030-1	Total	Total	Change
20	Electric plant in service		SC Retail	SC Retail	
21	Accumulated depreciation and amortization	SC3030-1	\$ 764,757	\$ 778,338	\$ (13,581)
22	Net electric plant in service (L20 + L21)		\$ (147,767)	\$ (163,067)	\$ 15,300
23	Construction Work in Progress		\$ 616,990	\$ 615,271	\$ 1,719
24	Plant Held for Future Use		\$ -	\$ -	\$ -
25	Materials and supplies		\$ -	\$ -	\$ -
26	Total Working Capital		\$ -	\$ -	\$ -
27	Accumulated deferred income taxes		\$ -	\$ -	\$ -
28	Operating reserves		\$ -	\$ -	\$ -
29	Total Rate Base (sum(L22:L25,L26,L27:L23))		\$ 616,990	\$ 615,271	\$ 1,719

DUKE ENERGY CAROLINAS, LLC  
 Docket No. 2023-388-E  
 Adjust for post test year additions to plant in service  
 For the Test Period Ending December 31, 2022  
 (Dollars in thousands)

Supplemental Direct  
 SC3030-1 Calculation  
 Page 1 of 1

Line No.	Description	Total System	SC Retail Allocation	Total NC Retail
1	<u>Summary of impacts to rate base</u>			
2	<u>Net additions to total electric plant in service:</u>			
3	Production (Sum of L3 through L6)	\$ 698,276 [1]	23.0754% [3]	\$ 161,130
4	Transmission (L7)	434,649 [1]	16.7963% [4]	73,005
5	Distribution (L8)	1,696,640 [1]	25.0952% [5]	425,776
6	General (L9 + L10)	373,547 [1]	23.6226% [6]	88,242
7	Intangible (L11)	72,923 [1]	22.7700% [7]	16,605
8	Impact to electric plant in service (Sum L3 through L7)	<u>\$ 3,276,035</u>		<u>\$ 764,757</u>
9				
10	<u>Accumulated depreciation &amp; amortization:</u>			
11	Production	\$ (522,523) [2]	23.0754% [3]	\$ (120,574)
12	Transmission	(60,442) [2]	16.7963% [4]	(10,152)
13	Distribution	60,651 [2]	25.0952% [5]	15,221
14	General	(63,861) [2]	23.6226% [6]	(15,086)
15	Intangible	(75,429) [2]	22.7700% [7]	(17,175)
16	Adjustment to accumulated depreciation & amortization (Sum L11 thro	\$ (661,603)		\$ (147,767)
17				
18	<u>Net electric plant:</u>			
19	Production (L16 + L24 + L32)	\$ 175,753		\$ 40,556
20	Transmission (L17 + L25 +33)	374,208		62,853
21	Distribution (L18 + L26 +34)	1,757,291		440,996
22	General (L19 + L27+35)	309,687		73,156
23	Intangible (L20 + L28 + 36)	(2,506)		(571)
24	Adjustment to net plant (Sum L19 through L23)	<u>\$ 2,614,432</u>		<u>\$ 616,990</u>

[1] SC3030-2 EPIS Summary

[2] SC3030-4 Accum Depr Summary

[3] SC Retail Allocation Factor - All - Production Demand - Jur

[4] SC Retail Allocation Factor - All - Transmission Demand - Jur

[5] SC Retail Allocation Factor - All - Dist Plant - Jur

[6] SC Retail Allocation Factor - All - General Plant - Jur

[7] SC Retail Allocation Factor - All - Intangible Plant - Jur

DUKE ENERGY CAROLINAS, LLC  
 Docket No. 2023-388-E  
 Adjust for post test year additions to plant in service  
 For the Test Period Ending December 31, 2022  
 (Dollars in thousands)

Supplemental Direct  
 SC3030-2 EPIS Details  
 Page 1 of 1

Plant in Service Balances

Line No.	Description	Actuals [1]		Change in Balance c = a + b	Adjustments d	Net Change e = c + d
		Dec-22 a	Dec-23 b			
1	<u>Electric Plant in Service:</u>					
2	Elec - Steam Production Plant	\$ 8,793,496	\$ 8,849,166	\$ 55,670		\$ 55,670
3	Elec - Nuclear Production Plant	\$ 9,235,239	\$ 9,473,578	\$ 238,339		\$ 238,339
4	Elec - Hydraulic Production Plant	\$ 2,709,018	\$ 3,017,072	\$ 308,055		\$ 308,055
5	Elec - Other Production Plant	\$ 3,516,028	\$ 3,606,117	\$ 90,089	6,123	\$ 96,212
6	Elec - Transmission Plant	\$ 5,308,063	\$ 5,744,870	\$ 436,807	(2,158)	\$ 434,649
7	Elec - Distribution Plant	\$ 15,605,739	\$ 17,302,379	\$ 1,696,640		\$ 1,696,640
8	Elec - General Plant	\$ 1,753,127	\$ 2,126,675	\$ 373,547		\$ 373,547
9	Elec - Intangible Plant	\$ 1,250,620	\$ 1,323,543	\$ 72,923		\$ 72,923
10	Total Electric Plant in Service (Sum L2 through L9)	\$ 48,171,330	\$ 51,443,400	\$ 3,272,070	\$ 3,965	\$ 3,276,035
11						
12	<u>Electric Plant in Service non base rate items included above:</u>					
13	TEP - Transmission Mitigation [4]	\$ 20,611	\$ 22,769	\$ 2,158		\$ 2,158
14	Solar [5]	\$ 26,817	\$ 20,694	\$ (6,123)		\$ (6,123)
15	Total Electric Plant in Service - Non Rate Base	\$ 47,429	\$ 43,463	\$ (3,965)		\$ (3,965)
16						

[1] Actual amounts provided by Duke Energy Carolinas - Asset Accounting

[3] Amounts above do not include Asset Retirement Obligations (ARO)

[4] Assets related to Transmission Merger Mitigation

[5] Adjustment to remove Solar assets not included in rate base.

[6] Forecast amount to be replaced with actuals in supplemental filing

DUKE ENERGY CAROLINAS, LLC  
 Docket No. 2023-388-E  
 Adjust for post test year additions to plant in service  
 For the Test Period Ending December 31, 2022  
 (Dollars in thousands)

Supplemental Direct  
 SC3030-3 Accum Depr Details  
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Accumulated Depreciation Balances

Line No.	<u>Description</u>	Actuals [1]		Change in Balance c = a + b	<u>Adjustments</u> d	<u>Net Change</u> e = c + d
		<u>Dec-22</u> a	<u>Dec-23</u> b			
1	<u>Electric Plant in Service:</u>					
2	Elec - Steam Production Plant	\$ (3,890,777)	\$ (4,183,318)	\$ (292,541)		\$ (292,541)
3	Elec - Nuclear Production Plant	\$ (4,203,539)	\$ (4,308,559)	\$ (105,020)		\$ (105,020)
4	Elec - Hydraulic Production Plant	\$ (996,579)	\$ (1,033,605)	\$ (37,026)		\$ (37,026)
5	Elec - Other Production Plant	\$ (1,270,968)	\$ (1,353,234)	\$ (82,266)	\$ (5,669)	\$ (87,936)
6	Elec - Transmission Plant	\$ (1,507,835)	\$ (1,568,900)	\$ (61,065)	624	\$ (60,442)
7	Elec - Distribution Plant	\$ (5,127,811)	\$ (5,067,159)	\$ 60,651		\$ 60,651
8	Elec - General Plant	\$ (369,901)	\$ (433,762)	\$ (63,861)		\$ (63,861)
9	Elec - Intangible Plant	\$ (780,465)	\$ (855,895)	\$ (75,429)		\$ (75,429)
10	Total Accumulated Depreciation (Sum L2 through L9)	\$ (18,147,874)	\$ (18,804,432)	\$ (656,557)	\$ (5,046)	\$ (661,603)
11						
12	<u>Adjustments to Electric Plant in Service non base rate items included above:</u>					
13	TEP - Transmission Mitigation [4]	\$ (5,292)	\$ (5,916)	\$ (624)		
14	Solar [5]	\$ (12,792)	\$ (7,123)	\$ 5,669		
15	Total Electric Plant in Service - Non Rate Base	\$ (18,084)	\$ (13,039)	\$ 5,046		

[1] Actual amounts provided by Duke Energy Carolinas - Asset Accounting

[3] Amounts above do not include Asset Retirement Obligations (ARO)

[4] Assets related to Transmission Merger Mitigation

[5] Adjustment to remove Solar assets not included in rate base.

DUKE ENERGY CAROLINAS, LLC  
Docket No. 2023-388-E  
Adjust For New Depreciation Rates  
For the Test Period Ending December 31, 2022

Supplemental Direct  
SC3040 Narrative

Detailed Narrative Explanation of Adjustment

This pro forma adjusts depreciation expense to reflect the updated depreciation rates resulting from a new depreciation study.

The impact to depreciation expense is determined by multiplying proposed depreciation rates times the level of plant in service forecasted at the end of the capital cutoff and then subtracting actual depreciation expense booked during the test period.

The impact to income taxes is determined by multiplying taxable income by the statutory tax rate.

The impact to rate base is determined by adjusting accumulated depreciation to reflect the updated depreciation rates resulting from a new depreciation study,

**Supplemental Direct**

Updated Adjusted Net Change in Plant in Service through December  
2023 to reflect actuals

DUKE ENERGY CAROLINAS, LLC  
 Docket No. 2023-388-E  
 Adjust For New Depreciation Rates  
 For the Test Period Ending December 31, 2022  
 (Dollars in thousands)

Supplemental Direct  
 SC3040 Summary  
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Line No	<u>Impacted Income Statement Line Items</u>	Source	Total	Total	Change
			SC Retail Supplemental Direct	SC Retail Application	
1	Sales of Electricity				-
2	Other Revenue				-
3	Electric operating revenue (L1+L2)		\$ -	\$ -	\$ -
4					
5	<u>Electric operating expenses:</u>				
6	Operation and maintenance:				
7	Fuel used in electric generation				-
8	Purchased power				-
9	Other operation and maintenance expense				-
10	Depreciation and amortization	SC3040-1	44,217	44,092	125
11	General taxes				-
12	Interest on customer deposits				-
13	EDIT Amortization				-
14	Net income taxes	SC3040-1	\$ (11,032)	\$ (11,001)	(31)
15	Amortization of investment tax credit				-
16	Total electric operating expenses (sum(L7:L15))		\$ 33,184	\$ 33,091	\$ 93
17					
18	Operating income (L3-L16)		\$ (33,184)	\$ (33,091)	\$ (93)
19					
20					
21					
22	<u>Rate Base</u>	Source	Total	Total	Change
			SC Retail Supplemental Direct	SC Retail Application	
29	Electric plant in service	SC3040-1	\$ -	\$ -	\$ -
35	Accumulated depreciation and amortization		\$ (44,217)	\$ (44,092)	\$ (125)
36	Net electric plant in service (L29 + L35)		\$ (44,217)	\$ (44,092)	\$ (125)
42	Construction Work in Progress		\$ -	\$ -	-
43	Plant Held for Future Use		\$ -	\$ -	-
47	Materials and supplies		\$ -	\$ -	-
59	Total Working Capital (Sum(L48:L58))		\$ -	\$ -	-
60	Accumulated deferred income taxes		\$ -	\$ -	-
61	Operating reserves		\$ -	\$ -	-
62	Total Rate Base (sum(L36 through :L61))		\$ (44,217)	\$ (44,092)	\$ (125)

DUKE ENERGY CAROLINAS, LLC  
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Supplemental Direct  
 SC3040-1 Calculation  
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Line No.	Description	Total Change System	[1]	SC Retail Allocation	Total Change SC Retail	
<b><u>Impact to Income Statement</u></b>						
1	Depreciation and amortization					
2	Production (SC3040-2 Col E; Line 32) - L3 - L4	\$ 161,160		23.0754% [2]	\$ 37,188	
3	Production Contra AFUDC - NC (SC3040-2 Col E; Line 33)	(1,998)		0.0000%	-	
4	Production Contra AFUDC - SC (SC3040-2 Col E; Line 34)	(1,252)		100.0000%	(1,252)	
5	Transmission (SC3010-2 Col E; Line 44) - L6	11,074		16.7963% [3]	1,860	
6	Transmission Contra AFUDC (SC3040-2 Col E; Line 45)	(9)		16.7963%	(2)	
7	Distribution (SC3040-2 Col E; Line 51) - L8	30,899		25.0952%	7,754	
8	Distribution Contra AFUDC SC ( SC3040-2 Col E; Line 54)	(1)		100.0000%	(1)	
9	General (SC3040-2 Col E; Line 69) - L12	(8,470)		23.6226% [4]	(2,001)	
10	General Contra AFUDC - SC (SC3040-2 Col E; Line 70)	-		100.0000%	-	
11	Adjust to depreciation and amortization (Sum L2 through L10)	<u>\$ 191,402</u>			<u>\$ 43,547</u>	
12	General Plant Amortization	\$ 2,836		23.6226%	\$ 670	
13	Impact to depreciation and amortization (L11)	<u>\$ 194,238</u>			<u>\$ 44,217</u>	
14	Statutory tax rate				24.9500% [5]	
15	Impact to income taxes (-L15 x L17)				<u>\$ (11,032)</u>	
16	Impact to operating income (-L15 - L19)				<u>\$ (33,184)</u>	
23	<b><u>Impact to Rate Base</u></b>					
25	Production -(SC3040-2 Col E; Line 32) - L26 - L27	\$ (161,160)		23.0754%	\$ (37,188)	
26	Production Contra AFUDC - NC -(SC3040-2 Col E; Line 33)	1,998		0.0000%	-	
27	Production Contra AFUDC - SC -(SC3040-2 Col E; Line 34)	1,252		100.0000%	1,252	
28	Transmission -(SC3010-2 Col E; Line 44) - 29	(11,074)		16.7963%	(1,860)	
29	Transmission Contra AFUDC -(SC3040-2 Col E; Line 35)	9		16.7963%	2	
30	Distribution NC -(SC3040-2 Col E; Line 51) - L31	(30,899)		25.0952%	(7,754)	
31	Distribution Contra AFUDC SC -( SC3040-2 Col E; Line 43)	1		100.0000%	1	
32	General -(SC3040-2 Col E; Line 69) - L33	5,634		23.6226%	1,331	
33	General Contra AFUDC - SC -(SC3040-2 Col E; Line 70)	-		100.0000%	-	
34	Adjust to Accumulated Depreciation (Sum L25 through L33)	<u>\$ (194,238)</u>			<u>\$ (44,217)</u>	

[1] Amounts from SC3040-2 Comparison

[2] SC Retail Allocation Factor - All - Production Demand - Jur

[3] SC Retail Allocation Factor - All - Transmission Demand - Jur

[4] SC Retail Allocation Factor - All - General Plant - Jur

[5] SC1010-4 Tax Rate - 2022 Calculation of Tax Rates, Line 10

Note: Totals may not foot due to rounding

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Supplemental Direct  
SC3040-2 Comparison  
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Comparison of Current and Proposed Depreciation as of December 31, 2022

Line No.	Function	Actual Gross Plant in Service		CURRENT Calculated Annual Accrual [4] $c = a * b$	Proposed Rate d	PROPOSED Calculated Annual Accrual [5] $e = a * d$		Adjustment Amount $f = e - c$
		12/31/2023 [9]	Current Rate b					
1	<u>STEAM: [1]</u>							
2	STEAM PLANT	\$ 8,569,177	3.96%	\$ 339,339	0.06	\$ 485,015	\$ 145,676	
3	LAND RIGHTS - STEAM [2]	2,001	0.00%	\$ -		\$ -	\$ -	
4	Total Steam Including Contra	\$ 8,571,178		\$ 339,339		\$ 485,015	\$ 145,676	
5	Contra AFUDC NC	\$ (117,519)	3.96%	\$ (4,654)	5.66%	\$ (6,652)	\$ (1,998)	
6	Contra AFUDC SC	\$ (71,653)	3.96%	\$ (2,837)	5.66%	\$ (4,056)	\$ (1,218)	
7	Total Steam Excluding Contra	\$ 8,760,350		\$ 346,831		\$ 495,723	\$ 148,892	
8								
9	<u>NUCLEAR: [1]</u>							
10	NUCLEAR PLANT	\$ 9,470,536	2.13%	\$ 201,722	0.02	\$ 209,299	\$ 7,576	
11	LAND RIGHTS - NUCLEAR [2]	957	0.84%	\$ 8	0.01	\$ 8	\$ (0)	
12	Total Nuclear Including Contra	\$ 9,471,493		\$ 201,730		\$ 209,307	\$ 7,576	
13	Contra AFUDC SC	\$ (29,747)	2.13%	\$ (634)	2.21%	\$ (657)	\$ (24)	
14	Total Nuclear Excluding Contra	\$ 9,501,240		\$ 202,364		\$ 209,964	\$ 7,600	
15								
16	<u>HYDRO: [1]</u>							
17	HYDRAULIC PLANT	\$ 2,963,513	1.99%	\$ 58,974	0.02	\$ 67,272	\$ 8,298	
18	LAND RIGHTS - HYDRO [2]	23,316	0.61%	\$ 142	0.01	\$ 140	\$ (2)	
19	Total Hydro Including Contra	\$ 2,986,829		\$ 59,116		\$ 67,412	\$ 8,296	
20	Contra AFUDC SC	\$ (3,627)	1.99%	\$ (72)	2.27%	\$ (82)	\$ (10)	
21	Total Hydro Excluding Contra	\$ 2,990,456		\$ 59,188		\$ 67,494	\$ 8,306	

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Line No.	Function
20	<u>OTHER PRODUCTION:</u> [1]
21	OTHER (CT's)
22	OTHER (SOLAR)
23	Total Other Production Including Contra
24	Contra AFUDC SC
25	Total Other Production Excluding Contra
26	
27	<u>Adjustments to Other Production</u>
28	OTHER (SOLAR-Mocksville)
29	Total Adjustments to Other Production
30	
31	
32	TOTAL PRODUCTION INCLUDING CONTRA
33	PRODUCTION CONTRA ADC - NC
34	PRODUCTION CONTRA ADC - SC
35	TOTAL PRODUCTION EXCLUDING CONTRA
36	
37	<u>TRANSMISSION:</u> [1]
38	TRANSMISSION OTHER
39	TRANSMISSION RIGHT OF WAY [2]
40	Total Transmission
41	
42	<u>Adjustments to Transmission</u>
43	TEP [3]
44	TOTAL TRANSMISSION INCLUDING CONTRA
45	TRANSMISSION CONTRA ADC
46	TOTAL TRANSMISSION EXCLUDING CONTRA
47	
48	<u>DISTRIBUTION:</u> [1]
49	Distribution
50	R/W [2]
51	Subtotal Distribution
52	Distribution Contra ADC - SC
53	R/W Contra ADC - SC
54	DISTRIBUTION CONTRA ADC - SC
55	TOTAL DISTRIBUTION EXCLUDING CONTRA

Line No.	Function	<u>Actual Gross Plant</u>		<u>CURRENT</u>		<u>PROPOSED</u>	
		in Service 12/31/2023 [9]	Current Rate a	Calculated Annual Accrual [4] b	Proposed Rate d	Calculated Annual Accrual [5] e = a * d	Adjustment Amount f = e - c
20	<u>OTHER PRODUCTION:</u> [1]						
21	OTHER (CT's)	\$ 3,201,675	3.50%	\$ 112,054	3.42%	\$ 109,547	\$ (2,507)
22	OTHER (SOLAR)	\$ 308,329	5.02%	\$ 15,469	4.62%	\$ 14,257	\$ (1,212)
23	Total Other Production Including Contra	\$ 3,510,003		\$ 127,523		\$ 123,804	\$ (3,719)
24	Contra AFUDC SC	\$ (40)	3.50%	\$ (1)	3.42%	\$ (1)	\$ 0
25	Total Other Production Excluding Contra	\$ 3,510,044		\$ 127,524		\$ 123,805	\$ (3,719)
26							
27	<u>Adjustments to Other Production</u>						
28	OTHER (SOLAR-Mocksville)	\$ (20,694)	5.02%	\$ (1,038)	4.62%	\$ (957)	\$ 81
29	Total Adjustments to Other Production	\$ (20,694)		\$ (1,038)		\$ (957)	\$ 81
30							
31							
32	TOTAL PRODUCTION INCLUDING CONTRA	\$ 24,518,808		\$ 726,670		\$ 884,581	\$ 157,910
33	PRODUCTION CONTRA ADC - NC	\$ (117,519)		\$ (4,654)		\$ (6,652)	\$ (1,998)
34	PRODUCTION CONTRA ADC - SC	\$ (105,068)		\$ (3,545)		\$ (4,797)	\$ (1,252)
35	TOTAL PRODUCTION EXCLUDING CONTRA	\$ 24,741,395		\$ 734,869		\$ 896,029	\$ 161,160
36							
37	<u>TRANSMISSION:</u> [1]						
38	TRANSMISSION OTHER	\$ 5,540,906	2.23%	\$ 123,562		\$ 134,644	\$ 11,082
39	TRANSMISSION RIGHT OF WAY [2]	\$ 169,760	1.03%	\$ 1,749		\$ 1,732	\$ (17)
40	Total Transmission	\$ 5,710,666		\$ 125,311		\$ 136,376	\$ 11,065
41							
42	<u>Adjustments to Transmission</u>						
43	TEP [3]	\$ (22,769)		\$ (624)		\$ (624)	\$ -
44	TOTAL TRANSMISSION INCLUDING CONTRA	\$ 5,687,897		\$ 124,687		\$ 135,752	\$ 11,065
45	TRANSMISSION CONTRA ADC	\$ (4,503)	2.23%	\$ (100)		\$ (109)	\$ (9)
46	TOTAL TRANSMISSION EXCLUDING CONTRA	\$ 5,692,400		\$ 124,787		\$ 135,861	\$ 11,074
47							
48	<u>DISTRIBUTION:</u> [1]						
49	Distribution	\$ 17,190,106	2.28%	\$ 391,934		\$ 422,877	\$ 30,942
50	R/W [2]	\$ 37,548	1.36%	\$ 511		\$ 466	\$ (45)
51	Subtotal Distribution	\$ 17,227,653		\$ 392,445		\$ 423,342	\$ 30,897
52	Distribution Contra ADC - SC	\$ (833)	2.28%	\$ (19)		\$ (20)	\$ (1)
53	R/W Contra ADC - SC	\$ (13)	1.36%	\$ (0)		\$ (0)	\$ 0
54	DISTRIBUTION CONTRA ADC - SC	\$ (846)		\$ (19)		\$ (21)	\$ (1)
55	TOTAL DISTRIBUTION EXCLUDING CONTRA	\$ 17,228,499		\$ 392,464		\$ 423,363	\$ 30,899

Supplemental Direct  
SC3040-2 Comparison  
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Line No.	Function	Actual Gross Plant		CURRENT		PROPOSED		Adjustment Amount $f = e - c$
		in Service 12/31/2023 [9]	Current Rate a	Calculated Annual Accrual [4] c = a * b	Proposed Rate d	Calculated Annual Accrual [5] e = a * d		
56	GENERAL: [1]							
57	EDP COMPUTER	146,496	12.50%	\$ 18,312	0.13	\$ 18,312	\$ -	
58	STRUCTURES / LEASE IMPRVMNT	656,245	3.06%	\$ 20,081	0.03	\$ 17,850	\$ (2,231)	
69	Plaza - Structures/Lease Imprvmnt	533,002	3.06%	\$ 16,310	1.85%	\$ 9,861	\$ (6,449)	
59	VEHICLES [5]	16,017	2.30%	\$ -	0.00%	\$ -	\$ -	
60	CONST EQUIP [5]	16,102	0.18%	\$ -	0.00%	\$ -	\$ -	
61	DGENLAND [2]	4	1.50%	\$ 0	0.01	\$ 0	\$ (0)	
62	FURNITURE AND EQPMT	124,456	6.67%	\$ 8,301	0.07	\$ 8,301	\$ -	
63	STORES EQUIPMENT	877	5.00%	\$ 44	0.05	\$ 44	\$ -	
64	TOOLS, SHOPS & GARAGE EQPMT	140,956	5.00%	\$ 7,048	0.05	\$ 7,048	\$ -	
65	LABORATORY EQUIPMENT	2,374	6.67%	\$ 158	0.07	\$ 158	\$ -	
66	POWER OPERATED EQUIPMENT	16,076	0.18%	\$ 29	0.01	\$ 240	\$ 211	
67	COMMUNICATION EQUIPMENT	396,089	10.00%	\$ 39,609	0.10	\$ 39,609	\$ -	
68	MISCELLANEOUS EQUIPMENT	18,217	5.00%	\$ 911	0.05	\$ 911	\$ -	
69	TOTAL GENERAL PLANT INCLUDING CONTRA	\$ 2,066,914		\$ 110,803		\$ 102,333	\$ (8,470)	
70	GENERAL PLANT CONTRA ADC - SC	(365)	6.67%	\$ (24)		\$ (24)	\$ -	
71	TOTAL GENERAL PLANT EXCLUDING CONTRA	\$ 2,067,279		\$ 110,827		\$ 102,357	\$ (8,470)	
72								
73								
74	TOTAL DEPRECIABLE PLANT (Sum L69,L44,L32)	\$ 49,501,273		\$ 1,354,606		\$ 1,546,008	\$ 191,402	[6]
75	Total Contra ADC	\$ (228,300)		\$ (8,342)		\$ (11,603)	\$ (3,260)	
76	TOTAL PLANT-IN-SERVICE EXCLUDING CONTRA	\$ 49,729,573		\$ 1,362,948		\$ 1,557,610	\$ 194,663	[7]
77								
78	General Plant Amortization			\$ (13,907,418)		\$ (11,071,465)	\$ 2,835,953	

[1] Total Plant-in Service excludes Non-Depreciable Assets and the Capitalized Asset Retirement Costs related to FAS 143.

[2] Land, Land Rights and Rights of Way are noted separately from the rest of Electric Plant in Service above. Land is not a depreciable asset while Land Rights and Right of Way are depreciable.

[3] The TEP credit is recorded as part of the Progress Merger.

[4] The Calculated Accrual Based on Current Rates column for assets in service as of December 31, 2023.

[5] The Calculated Accrual Based on Proposed Rates column from the 2021 Depreciation Study.

[6] Depreciation expense on vehicles and construction equipment is recorded to 803 accounts, therefore it is excluded above.

[7] Sum of L32, L44, L51, L69

[8] Sum of L35, L46, L55, L71

[9] Forecasted balance will be updated with actuals in a supplemental filing

**Source:** Asset Accounting and Financial Forecasting

DUKE ENERGY CAROLINAS, LLC  
Docket No. 2023-388-E  
Add CWIP in Rate Base  
For the Test Period Ending December 31, 2022

Supplemental Direct  
SC3050 Narrative

Detailed Narrative Explanation of Adjustment

This pro-forma adjusts rate base to include construction work in progress (CWIP).

The impact to construction work in progress reflects the forecasted balance as of December 31, 2023, excluding projects included in the Grid Improvement Plan deferral. The balance in CWIP will be updated to the Actual December 31, 2023 balance in a supplemental filing.

**Supplemental Direct**

Updated Adjusted CWIP Balances to reflect 2023 actuals.

DUKE ENERGY CAROLINAS, LLC  
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 Add CWIP in Rate Base  
 For the Test Period Ending December 31, 2022  
 (Dollars in thousands)

Supplemental Direct  
 SC3050 Summary  
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Line No	<b>Impacted Income Statement Line Items</b>	Source	Total SC Retail Supplemental Direct	Total SC Retail Application	Change
1	Sales of Electricity		\$	-	\$ -
2	Other Revenue				
3	Electric operating revenue (L1+L2)				
4					
5	<u>Electric operating expenses:</u>				
6	Operation and maintenance:				
7	Fuel used in electric generation				
8	Purchased power				
9	Other operation and maintenance expense				
10	Depreciation and amortization				
11	General taxes				
12	Interest on customer deposits				
13	EDIT Amortization				
14	Net income taxes				
15	Amortization of investment tax credit				
16	Total electric operating expenses (sum(L7:L15))		\$ -	\$ -	\$ -
17					
18	Operating income (L3-L16)		\$ -	\$ -	\$ -
19	<b>Rate Base</b>	Source	Total SC Retail Supplemental Direct	Total SC Retail Application	Change
20	Electric plant in service		\$ -	\$ -	\$ -
21	Accumulated depreciation and amortization		\$ -	\$ -	\$ -
22	Net electric plant in service (L20 + L21)		\$ -	\$ -	\$ -
23	Construction Work in Progress	SC3050-1	\$ 353,282	\$ 294,228	\$ 59,054
25	Materials and supplies		\$ -	\$ -	\$ -
26	Total Working Capital		\$ -	\$ -	\$ -
27	Accumulated deferred income taxes		\$ -	\$ -	\$ -
28	Operating reserves		\$ -	\$ -	\$ -
29	Total Rate Base (sum(L22through :L28))		\$ 353,282	\$ 294,228	\$ 59,054

DUKE ENERGY CAROLINAS, LLC  
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 Add CWIP in Rate Base  
 For the Test Period Ending December 31, 2022  
 (Dollars in thousands)

Supplemental Direct  
 SC3050-1 Calculation  
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Line	Description	Total System	SC Retail Allocation	Total SC Retail
No.	<u>CWIP Balance Forecast As Of 12/31/2023</u>			
1	Nuclear	\$ 501,337		
2	Steam Production Plant	73,002		
3	Hydraulic Production Plant	123,628		
4	Other Production Plant	131,083		
5	Transmission Plant	373,615		
6	Distribution Plant	1,037,506		
7	General Plant	175,720		
8	Intangible Plant	155,768		
9	Total Ending Balance (Sum L8 : L1)	\$ 2,571,660 [7]		
10				
11	<u>Summary of CWIP Ending Balance</u>			
12	Production	\$ 829,050	23.08% [1]	\$ 191,307
13	Transmission	373,615	16.80% [2]	62,753
14	Distribution	1,037,506	25.10% [3]	260,364
15	General	175,720	23.62% [4]	41,510
16	Intangible	155,768	22.77% [5]	35,468
17	Total Ending Balance (Sum L12 : L16)	\$ 2,571,660		\$ 591,403
18				
19	<u>Exclusions</u>			
20	<u>GIP</u>			
21	Production		\$ -	
22	Transmission	(275,049)	16.80% [2]	(46,198)
23	Distribution	(388,982)	25.10%	(97,616)
24	General	(98,937)	23.62%	(23,372)
25	Intangible	(91,469)	22.77%	(20,827)
26	Total GIP (Sum L21 : L25)	\$ (854,436) [6]		\$ (188,013)
27				
28	<u>CWIP Balance in Rate Base</u>			
29	Production	\$ (167,572)		\$ (40,370)
30	Transmission	(3,765)		(704)
31	Distribution	(10,255)		(2,622)
32	General	(11,914)		(2,804)
33	Intangible	(15,330)		(3,608)
34	Total COS (Sum L29 : L33)	\$ (208,837) [8]		\$ (50,108)
35				
36	<u>CWIP Ending Balance without exclusions</u>			
37	Production (L12 + L21 + L29)	\$ 661,478		\$ 150,937
38	Transmission (L13 + L22 + L30)	94,802		15,852
39	Distribution (L14 + L23 + L31)	638,269		160,126
40	General (L15 + L24 + L32)	64,869		15,334
41	Intangible (L16 + L25 + L33)	48,970		11,033
42	Total CWIP Ending Balance without exclusions (Sum L37 : L41)	\$ 1,508,387		\$ 353,282

[1] SC Retail Allocation Factor - All - Production Demand

[2] SC Retail Allocation Factor - All - Transmission Demand

[3] SC Retail Allocation Factor - All - Dist Plant

[4] SC Retail Allocation Factor - All - General Plant

[5] SC Retail Allocation Factor - All - Intangible Plant

[6] Excluding CWIP balances related to projects eligible for the Grid Improvement Plan deferral.

[7] Per Corporate Forecasting - to be updated with actual CWIP balances as of 12/31/23

[8] Per SC Retail Cost of Service-Per Book-12 CP Firm Line 599 Construction Work in Progress

Jiggetts Supplemental Direct Exhibit 4  
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DUKE ENERGY CAROLINAS, LLC  
Docket No. 2023-388-E  
Amortized Environmental ARO Costs  
For the Test Period Ending December 31, 2022

Supplemental Direct  
SC4010 Narrative

Detailed Narrative Explanation of Adjustment

This pro-forma adjusts amortization expense, income taxes and rate base for the amortization of deferred environmental Asset Retirement Obligation (ARO) costs related to the removal of coal ash, partially offset by insurance proceeds net of legal expenses.

The impact to depreciation expense reflects a seven-year amortization of deferred costs to remove coal ash costs. The balance of the deferral is projected through December 31, 2023 and includes a return during the deferral period.

The impact to Rate Base includes the additional deferred costs through July 31, 2024, net of accumulated deferred income taxes on the deferred balance change.

The impact to income taxes is determined by multiplying taxable income by the statutory tax rate.

Supplemental Direct

On tab SC4010-3 updated actuals for October through December 2023  
On tab SC4010-2 Deferral, added the return calculation for July 2024.

DUKE ENERGY CAROLINAS, LLC  
Docket No. 2023-388-E  
Amortized Environmental ARO Costs  
For the Test Period Ending December 31, 2022  
(Dollars in thousands)

Supplemental Direct  
SC4010 Summary  
Page 1 of 1

Line No	<u>Impacted Income Statement Line Items</u>	Source	Total	Total	Change
			SC Retail Supplemental Direct	SC Retail Application	
1	Sales of Electricity		\$	-	\$ -
2	Other Revenue				
3	Electric operating revenue (L1+L2)				
4					
5	<u>Electric operating expenses:</u>				
6	Operation and maintenance:				
7	Fuel used in electric generation				
8	Purchased power				
9	Other operation and maintenance expense				
10	Depreciation and amortization	SC4010-1	\$ 40,590	\$ 39,910	\$ 681
11	General taxes				
12	Interest on customer deposits				
13	EDIT Amortization				
14	Net income taxes	SC4010-1	\$ (10,127)	\$ (9,957)	\$ (170)
15	Amortization of investment tax credit				
16	Total electric operating expenses (sum(L7:L15))		\$ 30,463	\$ 29,952	\$ 511
17					
18	Operating income (L3-L16)		\$ (30,463)	\$ (29,952)	\$ (511)
19	<b>Rate Base</b>				
20	Electric plant in service		\$ -	\$ -	\$ -
21	Accumulated depreciation and amortization		\$ -	\$ -	\$ -
22	Net electric plant in service (L20 + L21)		\$ -	\$ -	\$ -
23	Construction Work in Progress		\$ -	\$ -	\$ -
24	Plant Held for Future Use		\$ -	\$ -	\$ -
25	Materials and supplies		\$ -	\$ -	\$ -
26	Total Working Capital	SC4010-1	\$ 243,543	\$ 239,458	\$ 4,084
27	Accumulated deferred income taxes	SC4010-1	\$ (60,764)	\$ (59,745)	\$ (1,019)
28	Operating reserves		\$ -	\$ -	\$ -
29	Total Rate Base (sum L22:L28)		\$ 182,779	\$ 179,714	\$ 3,065

DUKE ENERGY CAROLINAS, LLC  
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 Amortized Environmental ARO Costs  
 For the Test Period Ending December 31, 2022  
 (Dollars in thousands)

Supplemental Direct  
 SC4010-1 Calculation  
 Page 1 of 1

Line No.	<u>Description</u>	<u>Total SC Retail</u>
1		
2	Regulatory Asset balance approved for recovery	\$ 294,773 [1]
3	Resubmission	35,954 [2]
4	Insurance Proceeds, net of legal fees	(46,594) [3]
5	Balance for Amortization (Sum L2 through L4)	\$ 284,133
6		
7	Years to Amortize	7
8		
9	Annual amortization (L5/L7)	<u>\$ 40,590</u>
10		
11	Statutory tax rate	24.9500% [4]
12		
13	Impact to income taxes (-L9 x L11)	<u>\$ (10,127)</u>
14		
15	Impact to operating income (-L9 - L13)	<u>\$ (30,463)</u>
16		
17	<u>Impact to Rate Base</u>	
18		
19	Regulatory Asset balance approved for recovery (L2)	\$ 284,133
20	Less first year of amortization (-L9)	(40,590)
21	Projected deferral balance after first year of amortization (L19 + L20)	<u>\$ 243,543</u>
22		
23	Deferred tax rate	24.9500% [4]
24	Impact to accumulated deferred income tax (-L21 x L23)	<u>\$ (60,764)</u>
25		
26	Impact to rate base (L21 + L24)	<u>\$ 182,779</u>

[1] SC4010-2 ARO Deferral, Column (i), Line 54

[2] SC4010-4 Resubmission, Column (f), Line 22

[3] SC4010-5 Insurance - Line 15

[4] SC1010-4 Tax Rate - 2022 Calculation of Tax Rates, Line 10

## DUKE ENERGY CAROLINAS, LLC

Docket No. 2023-388-E

Amortized Environmental ARO Costs

For the Test Period Ending December 31, 2022

(Dollars in thousands)

After Tax  
LTD Rate  
 (j)

After Tax  
Equity Rate  
 (k)

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Docket 2016-227-E 0.155%  
 Docket 2018-318-E 0.133%

0.451% [3]  
 0.420% [3]

Calculation of Deferral - Projected Ending Balance

## Duke Energy Progress Coal Ash Deferral (South Carolina Retail)

Line No.	Month	System Spend (a)	% to SCR [1] for Spend (b)	Beginning Balance (c)=(i) PM	SC Retail Spend (d)=(a)x(b)	Balance for Return (e)=(c)+(d)/2	SCR		Compounded Monthly			Ending Balance (i)=(c)+(d)+(h)
							Def. Cost of Debt (f)=(e)x(j)	Def. Cost of Equity (g)=(e)x(k)	Total Return (h)=(f)+(g)			
1	Sep-18	\$ 17,458	24.0911%		4,206	2,103	3	9	13		4,218	
2	Oct-18	\$ 13,366	24.0911%	4,218	3,220	5,828	9	26	35		7,474	
3	Nov-18	14,358	24.0911%	7,474	3,459	9,203	14	41	56		10,989	
4	Dec-18	4,923	24.0911%	10,989	1,186	11,582	18	52	70		12,245	
5	Jan-19	9,890	23.3309%	12,245	2,308	13,398	21	60	81		14,633	
6	Feb-19	19,041	23.3309%	14,633	4,442	16,854	26	76	102		19,178	
7	Mar-19	22,031	23.3309%	19,178	5,140	21,748	34	98	132		24,450	
8	Apr-19	18,849	23.3309%	24,450	4,398	26,648	41	120	161		29,009	
9	May-19	25,787	23.3309%	29,009	6,016	32,017	50	144	194		35,219	
10	Jun-19	16,472	23.3309%	35,219	3,843	37,141	49	156	205		39,268	
11	Jul-19	14,757	23.3309%	39,268	3,443	40,989	55	172	227		42,937	
12	Aug-19	15,664	23.3309%	42,937	3,655	44,764	60	188	247		46,839	
13	Sep-19	22,459	23.3309%	46,839	5,240	49,459	66	208	273		52,352	
14	Oct-19	14,806	23.3309%	52,352	3,454	54,079	72	227	299		56,105	
15	Nov-19	12,024	23.3309%	56,105	2,805	57,508	77	241	318		59,229	
16	Dec-19	15,380	23.3309%	59,229	3,588	61,023	81	256	337		63,154	
17	Jan-20	10,288	23.2400%	63,154	2,391	64,350	86	270	356		65,901	
18	Feb-20	12,689	23.2400%	65,901	2,949	67,375	90	283	372		69,222	
19	Mar-20	17,032	23.2400%	69,222	3,958	71,201	95	299	394		73,574	
20	Apr-20	15,564	23.2400%	73,574	3,617	75,382	100	316	417		77,607	
21	May-20	16,541	23.2400%	77,607	3,844	79,530	106	334	440		81,891	
22	Jun-20	12,131	23.2400%	81,891	2,819	83,301	111	350	460		85,171	
23	Jul-20	16,140	23.2400%	85,171	3,751	87,047	116	365	481		89,403	
24	Aug-20	12,789	23.2400%	89,403	2,972	90,889	121	381	502		92,878	
25	Sep-20	11,235	23.2400%	92,878	2,611	94,183	125	395	521		96,009	
26	Oct-20	10,782	23.2400%	96,009	2,506	97,262	130	408	538		99,053	
27	Nov-20	11,416	23.2400%	99,053	2,653	100,379	134	421	555		102,261	
28	Dec-20	12,576	23.2400%	102,261	2,923	103,722	138	435	573		105,757	
29	Jan-21	11,706	23.0050%	105,757	2,693	107,103	143	449	592		109,041	
30	Feb-21	7,774	23.0050%	109,041	1,788	109,936	146	461	608		111,437	
31	Mar-21	15,027	23.0050%	111,437	3,457	113,166	151	475	626		115,520	

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Calculation of Deferral - Projected Ending Balance

Line No.	Month	System Spend	% to SCR [1] for Spend [2]	Duke Energy Progress Coal Ash Deferral (South Carolina Retail)									
				Beginning Balance (c)=(i) PM	SC Retail Spend (d)=(a)x(b)	Balance for Return (e)=(c)+(d)/2	SCR		Compounded Monthly			Total Return (h)=(f)+(g)	Ending Balance (i)=(c)+(d)+(h)
							Def. Cost of Debt (f)=(e)x(j)	After Tax LTD Rate (j)	Def. Cost of Equity (g)=(e)x(k)	After Tax Equity Rate (k)			
32	Apr-21	19,264	23.0050%	115,520	4,432	117,736	157	494	651	0.155%	0.451%	120,602	
33	May-21	18,154	23.0050%	120,602	4,176	122,690	163	515	678	0.133%	0.420%	125,457	
34	Jun-21	20,314	23.0050%	125,457	4,673	127,793	170	536	706	0.155%	0.451%	130,836	
35	Jul-21	12,062	23.0050%	130,836	2,775	132,224	176	555	731	0.133%	0.420%	134,342	
36	Aug-21	13,633	23.0050%	134,342	3,136	135,910	181	570	751	0.155%	0.451%	138,230	
37	Sep-21	13,449	23.0050%	138,230	3,094	139,777	186	586	773	0.133%	0.420%	142,096	
38	Oct-21	13,738	23.0050%	142,096	3,160	143,676	191	603	794	0.155%	0.451%	146,051	
39	Nov-21	17,011	23.0050%	146,051	3,913	148,007	197	621	818	0.133%	0.420%	150,782	
40	Dec-21	19,563	23.0050%	150,782	4,501	153,032	204	642	846	0.155%	0.451%	156,129	
41	Jan-22	9,687	24.6195%	156,129	2,385	157,321	209	660	870	0.133%	0.420%	159,383	
42	Feb-22	10,036	24.6195%	159,383	2,471	160,618	214	674	888	0.155%	0.451%	162,742	
43	Mar-22	15,300	24.6195%	162,742	3,767	164,625	219	691	910	0.133%	0.420%	167,418	
44	Apr-22	15,812	24.6195%	167,418	3,893	169,365	226	711	936	0.155%	0.451%	172,247	
45	May-22	16,543	24.6195%	172,247	4,073	174,284	232	731	963	0.133%	0.420%	177,283	
46	Jun-22	19,115	24.6195%	177,283	4,706	179,636	239	754	993	0.155%	0.451%	182,982	
47	Jul-22	18,557	24.6195%	182,982	4,569	185,267	247	777	1,024	0.133%	0.420%	188,575	
48	Aug-22	17,289	24.6195%	188,575	4,257	190,703	254	800	1,054	0.155%	0.451%	193,886	
49	Sep-22	13,889	24.6195%	193,886	3,420	195,595	260	821	1,081	0.133%	0.420%	198,386	
50	Oct-22	19,332	24.6195%	198,386	4,759	200,766	267	842	1,110	0.155%	0.451%	204,255	
51	Nov-22	17,293	24.6195%	204,255	4,257	206,384	275	866	1,141	0.133%	0.420%	209,654	
52	Dec-22	26,387	24.6195%	209,654	6,496	212,902	283	893	1,177	0.155%	0.451%	217,327	
53	Jan-23	10,223	23.8357%	217,327	2,437	218,545	291	917	1,208	0.133%	0.420%	220,971	
54	Feb-23	12,856	23.8357%	220,971	3,064	222,504	296	934	1,230	0.155%	0.451%	225,266	
55	Mar-23	13,763	23.8357%	225,266	3,281	226,906	302	952	1,254	0.133%	0.420%	229,800	
56	Apr-23	15,732	23.8357%	229,800	3,750	231,675	308	972	1,281	0.155%	0.451%	234,831	
57	May-23	17,377	23.8357%	234,831	4,142	236,902	315	994	1,309	0.133%	0.420%	240,282	
58	Jun-23	16,978	23.8357%	240,282	4,047	242,305	323	1,017	1,339	0.155%	0.451%	245,668	
59	Jul-23	17,443	23.8357%	245,668	4,158	247,747	330	1,040	1,369	0.133%	0.420%	251,195	
60	Aug-23	20,301	23.8357%	251,195	4,839	253,615	338	1,064	1,402	0.155%	0.451%	257,436	

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Calculation of Deferral - Projected Ending Balance

	Pre Tax LTD Rate (j)	After Tax Equity Rate (k)
Docket 2016-227-E	0.155%	0.451%
Docket 2018-318-E	0.133%	0.420%

**Duke Energy Progress Coal Ash Deferral (South Carolina Retail)**

Line No.	Month	System Spend	% to SCR for Spend [1]	Beginning Balance [2] (c)=(i) PM	SCR	Compounded Monthly				
						SC Retail Spend (d)=(a)x(b)	Balance for Return (e)=(c)+(d)/2	Def. Cost of Debt (f)=(e)x(j)	Def. Cost of Equity (g)=(e)x(k)	Total Return (h)=(f)+(g)
61	Sep-23	19,610	23.8357%	257,436	4,674	259,773		346	1,090	1,436
62	Oct-23	22,635	23.8357%	263,546	5,395	266,244		355	1,117	1,472
63	Nov-23	19,820	23.8357%	270,413	4,724	272,775		363	1,145	1,508
64	Dec-23	22,767	23.8357%	276,645	5,427	279,358		372	1,172	1,544
65	Jan-24		23.8357%	283,616	-	283,616		378	1,190	1,568
66	Feb-24		23.8357%	285,183	-	285,183		380	1,197	1,576
67	Mar-24		23.8357%	286,760	-	286,760		382	1,203	1,585
68	Apr-24		23.8357%	288,345	-	288,345		384	1,210	1,594
69	May-24		23.8357%	289,939	-	289,939		386	1,217	1,603
70	Jun-24		23.8357%	291,541	-	291,541		388	1,223	1,611
71	Jul-24		23.8357%	293,153	-	293,153		390	1,230	1,620
72										
73	Total			1,006,888		238,185		13,645	42,943	56,588
										294,773

[1] SC4010-3 ARO Spend

[2] SC4010-6 Alloc Factors - Allocated based on Production Demand

[3] SC4010-7 Cost of Capital

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Duke Energy Carolina - System Spend - Coal Ash ARO [1]

Line No.	Month	2018 Actuals	2019 Actuals	2020 Actuals	2021 Actuals	2022 Actuals	2023 Actuals	Total
1	January		9,890	10,288	11,706	9,687	10,223	
2	February		19,041	12,689	7,774	10,036	12,856	
3	March		22,031	17,032	15,027	15,300	13,763	
4	April		18,849	15,564	19,264	15,812	15,732	
5	May		25,787	16,541	18,154	16,543	17,377	
6	June		16,472	12,131	20,314	19,115	16,978	
7	July		14,757	16,140	12,062	18,557	17,443	
8	August		15,664	12,789	13,633	17,289	20,301	
9	September	17,458	22,459	11,235	13,449	13,889	19,610	
10	October	13,366	14,806	10,782	13,738	19,332	22,635	
11	November	14,358	12,024	11,416	17,011	17,293	19,820	
12	December	4,923	15,380	12,576	19,563	26,387	22,767	
13	Total Sum(L1:L12)	\$ 50,105	\$ 207,161	\$ 159,183	\$ 181,694	\$ 199,241	\$ 209,505	\$ 1,006,888

Duke Energy Carolina - System Spend - Coal Ash ARO by Station [1]

Line No.	2018 Actuals	2019 Actuals	2020 Actuals	2021 Actuals	2022 Actuals	2023 Actuals	Total
14 Allen	\$ 2,421	\$ 6,480	\$ 8,683	\$ 29,614	\$ 27,096	\$ 45,461	\$ 119,755
15 Belews Creek	3,140	10,295	14,537	26,166	45,147	41,395	140,680
16 Cliffside	3,310	6,249	22,864	29,871	36,529	27,772	126,597
17 Marshall	6,375	24,964	19,440	55,836	41,835	60,343	208,793
18 Buck	20,968	106,003	70,386	16,920	13,441	14,935	242,653
19 Dan River	11,232	44,798	16,424	1,025	1,339	1,054	75,871
20 Riverbend	-	-	-	-	-	-	-
21 WS Lee (SC)	2,659	8,372	6,849	22,261	33,854	18,545	92,540
22 Total SC Retail Sum(L14:L21)	\$ 50,105	\$ 207,161	\$ 159,183	\$ 181,694	\$ 199,241	\$ 209,505	\$ 1,006,888
23 SC Retail %	[2] 24.0911%	23.3309%	23.2400%	23.0050%	24.6195%	23.8357%	
24 SC Retail Total (L22 x L23)	\$ 12,071	\$ 48,332	\$ 36,994	\$ 41,799	\$ 49,052	\$ 49,937	\$ 238,185

[1] System spend excludes any amount for bottled water, and municipal water, and Inactive Basins (IABs)

[2] SC4010-6 Alloc Factors - SC Retail Production Demand factor

Source: Duke Energy Environmental, Health and Safety and Coal Combustion Products Finance

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Line No.	DEP	Total System Cost Incurred	2018-318-E	% (c)=(b)/(a)
		1/1/2015-8/31/2018 [1] (a)	Total System Disallowance [2] [b]	
1	Allen	\$ 53,059		0.00%
2	Belews Creek	50,535		0.00%
3	Cliffside	66,077		0.00%
4	Marshall	43,213		
5	Buck	80,765	36,545	45.25%
6	Dan River	167,427	116,669	69.68%
7	Riverbend	316,681	316,681	100.00%
8	WS Lee (SC)	98,450	-	0.00%
9	Total	<u>\$ 876,207</u>	<u>\$ 469,894</u>	
10				
11		SC Retail	2018-318-E	2023-388-E
12		Cost Incurred	SC Retail	SC Retail
13	DEP	1/1/2015-8/31/2018 [3] (d)	Disallowance [4] (e) = (d) * (c)	Resubmission [4] (f)
14	Allen	\$ 12,441		
15	Belews Creek	11,796		
16	Cliffside	15,416		
17	Marshall	10,089		
18	Buck	19,182	8,680	8,680
19	Dan River	39,140	27,274	27,274
20	Riverbend	74,492	74,492	-
21	WS Lee (SC)	23,031	-	
22	Total	<u>\$ 205,587</u>	<u>\$ 110,446</u>	<u>\$ 35,954</u>

[1] Docket 2018-319-E - Kerrin Exhibit 10

[2] Docket 2018-319-E Whittliff Testimony Table 5.2

[3] Calculated by Rates and Regulatory using Production Demand allocation factors by year

[4] Provided by Duke Energy Environmental, Health and Safety and Coal Combustion Products Finance

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Line No.	<u>Insurance proceeds</u>	<u>DEC System</u>	<u>Allocation</u>	<u>SC Retail</u>
2				
3	Total	\$ (277,059)	18.5761% [1]	\$ (51,467)
4				
5	<u>Legal Fees</u>	<u>DEC System</u>	<u>Allocation</u>	<u>SC Retail</u>
6	2016	\$ 762	23.4493%	\$ 179
7	2017	2,282	23.6379%	539
8	2018	3,441	24.0259%	827
9	2019	1,984	24.0664%	477
10	2020	2,426	23.2396%	564
11	2021	9,446	23.7909%	2,247
12	2022	165	24.1727%	40
13	Total sum(L6:L12)	\$ 20,505		\$ 4,873
14				
15	Insurance Proceeds Net of legal fees (L3 - L13)			\$ (46,594)
16				
17				
18				
19	<u>Coal Ash Expenditures Recovery Analysis</u>		<u>Total System</u>	
20	System Spend inception through August 2018		\$ 876,206 [3]	
21	System Spend September 2018 through Cut off		\$ 1,112,595 [4]	
22	Total System Spend (L20 + L21)		\$ 1,988,802	
23				
24			<u>SC Retail</u>	
25	SC Retail Spend allowed for recovery 2018-319-E		\$ 95,303 [5]	
26	SC Retail Spend allowed for recovery		\$ 274,139 [6]	
27	SC Retail Spend allowed for recovery (L25 + L26)		\$ 369,442	
28	% of Spend paid by SC Retail (L28/L22)		18.5761% [1]	

[1] Calculated percentage of ARO Coal ash spend paid by SC Retail customers.

[2] SC4010-6 Alloc Factors - Legal costs are allocated by the Labor allocation factor in the Cost of Service Allocation Factors.

[3] Docket 2018-319-E - Kerrin Exhibit 10

[4] Jiggetts Supplemental Direct Testimony Docket No. 2023-388-E

[5] Docket 2018-319-E Proforma SC1800(F) - Amortize deferred environmental costs

[6] SC4010-2 ARO Deferral col (d) Line 73 + SC4010-4 Resubmission col (f) Line 22

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Line No.	Allocation Factor - Production Demand (SCP)						
		TOTAL SYSTEM	NORTH CAROLINA	SOUTH CAROLINA	Greenwood SOUTH CAROLINA	WHOLESALE NORTH	WHOLESALE SOUTH
5	TOTAL KW	2017	17,235,703	11,627,453	4,152,267	12,280	705,875
6	Alloc %			67.4614%	24.0911%	0.0712%	4.0954%
8	TOTAL KW	2018	17,489,545	11,793,993	4,080,463	11,544	725,919
9	Alloc %			67.4345%	23.3309%	0.0660%	4.1506%
11	TOTAL KW	2019	17,770,147	11,906,127	4,129,779	11,094	760,685
12	Alloc %			67.0007%	23.2400%	0.0624%	4.2807%
14	TOTAL KW	2020	17,438,327	11,665,772	4,011,695	11,533	755,499
15	Alloc %			66.8973%	23.0050%	0.0661%	4.3324%
17	TOTAL KW	2021	17,241,828	11,480,608	4,244,845	10,547	660,179
18	Alloc %			66.5858%	24.6195%	0.0612%	3.8289%
20	TOTAL KW	2022	17,857,406	12,050,576	4,256,429	10,995	632,911
21	Alloc %			67.4822%	23.8357%	0.0616%	3.5442%
20	Allocation Factor - Labor (SCP)						
21							
22			TOTAL SYSTEM	NORTH CAROLINA	SOUTH CAROLINA	Greenwood SOUTH CAROLINA	WHOLESALE NORTH
23							WHOLESALE SOUTH
24	All Labor	2015	452,543	311,927	106,118	348	22,156
25	Alloc %			68.9276%	23.4493%	0.0769%	4.8959%
27	All Labor	2016	406,140	276,260	96,003	322	19,768
28	Alloc %			68.0209%	23.6379%	0.0793%	4.8673%
30	All Labor	2017	706,341	483,558	169,705	547	27,667
31	Alloc %			68.4596%	24.0259%	0.0775%	3.9169%
33	All Labor	2018	604,722	409,621	145,535	472	24,645
34	Alloc %			67.7371%	24.0664%	0.0781%	4.0754%
36	All Labor	2019	504,778	344,963	117,308	350	20,937
37	Alloc %			68.3395%	23.2396%	0.0694%	4.1477%
39	All Labor	2020	550,866	371,818	131,056	404	22,741
40	Alloc %			67.4970%	23.7909%	0.0733%	4.1283%
42	All Labor	2021	512,208	347,992	123,815	331	19,872
43	Alloc %			67.9396%	24.1727%	0.0646%	3.8797%

Source: Rates & Regulatory Cost of Service Studies

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Weighted Average Cost of Capital

Line  
 No.

	Description	Capital Structure	Cost/Return	Weighted Cost/Return	Income Taxes Factor	After Tax Return	Income Taxes Factor	Before Tax Return Excluding Gross Receipts Tax and Regulatory Fee
1	Duke Energy Carolina							
2	Docket 2013-59-E							
3								
4								
5								
6								
7								
8								
9								
10								
11	Long-term debt	47.00%	5.28%	2.48%	0.7505	1.86%	1.0000	2.48%
12	Common equity	53.00%	10.20%	5.41%	1.0000	5.41%	0.7505	7.20%
13	Total	<u>100.00%</u>		<u>7.89%</u>		<u>7.27%</u>		<u>9.68%</u>
14								
15	Tax Rate	24.95000%						
16								
17								
18								
19								
20								
21								
22	Duke Energy Carolina							
23	Docket No. 2018-319-E							
24	For the test period ended December 31, 2017							
25	Rates effective 6/1/2019							
26								
27								
28								
29								
30	Description	Capital Structure	Cost/Return	Weighted Cost/Return	Income Taxes Factor	After Tax Return	Income Taxes Factor	Before Tax Return Excluding Gross Receipts Tax and Regulatory Fee
31								
32	Long-term debt	47.00%	4.53%	2.13%	0.7505	1.60%	1.0000	2.13%
33	Common equity	53.00%	9.50%	5.04%	1.0000	5.04%	0.7505	6.71%
34	Total	<u>100.00%</u>		<u>7.16%</u>		<u>6.63%</u>		<u>8.84%</u>
35								
36	Tax Rate	24.95000%						

DUKE ENERGY CAROLINAS, LLC  
Docket No. 2023-388-E  
Amortize Rate Case Costs  
For the Test Period Ending December 31, 2022

Supplemental Direct  
SC5020 Narrative

Detailed Narrative Explanation of Adjustment

This proforma adjusts operation and maintenance expense and income taxes for the amortization of deferred rate case costs.

The impact to operation and maintenance expense is determined as follows:

Actual incremental rate case costs incurred through September 30, 2023 and projected to be incurred through rates effective for the current docket are calculated.

Per Order 2019-323, remaining rate case expenses for Docket No. 2018-319-E incurred after the capital cutoff in that case have been brought forward for inclusion in rates.

The total incremental rate case costs for both Dockets are divided by five years to determine the annual amortization expense.

The impact to income taxes is determined by multiplying taxable income by the statutory tax rate.

**Supplemental Direct: Updated for actual rate case expenses in October, November and December of 2023. The revenue requirement in the case did not change - only the remaining**

DUKE ENERGY CAROLINAS, LLC  
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Supplemental Direct  
SC5020 Summary

Line No	<u>Impacted Income Statement Line Items</u>	Source	Total	Total	Change
			SC Retail Supplemental Direct	SC Retail Application	
1	Sales of Electricity		\$	-	\$ -
2	Other Revenue				
3	Electric operating revenue (L1+L2)				
4					
5	<u>Electric operating expenses:</u>				
6	Operation and maintenance:				
7	Fuel used in electric generation				
8	Purchased power				
9	Other operation and maintenance expense	SC5020-1	\$ 1,839	\$ 1,839	\$ -
10	Depreciation and amortization				
11	General taxes				
12	Interest on customer deposits				
13	EDIT Amortization				
14	Net income taxes	SC5020-1	\$ (459)	\$ (459)	\$ -
15	Amortization of investment tax credit				
16	Total electric operating expenses (sum(L7:L15))		\$ 1,381	\$ 1,381	\$ -
17					
18	Operating income (L3-L16)		\$ (1,381)	\$ (1,381)	\$ -
19	<u>Rate Base</u>	Source	Total	Total	Change
			SC Retail Supplemental Direct	SC Retail Application	
20	Electric plant in service		\$ -	\$ -	\$ -
21	Accumulated depreciation and amortization		\$ -	\$ -	\$ -
22	Net electric plant in service (L20 + L21)		\$ -	\$ -	\$ -
23	Construction Work in Progress		\$ -	\$ -	\$ -
24	Plant Held for Future Use				
25	Materials and supplies				
26	Total Working Capital	SC5020-1	\$ 3,698	\$ 3,698	\$ -
27	Accumulated deferred income taxes	SC5020-1	\$ (923)	\$ (923)	\$ -
28	Operating reserves		\$ -	\$ -	\$ -
29	Total Rate Base (sum L22:L28)		\$ 2,775	\$ 2,775	\$ -

DUKE ENERGY CAROLINAS, LLC  
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Supplemental Direct  
 SC5020-1 Calculation

Line No.	<u>Description</u>	<u>Total SC Retail</u>
1	<u>Impact to Income Statement</u>	
2	SC Retail actual rate case costs incurred for Docket No. 2018-319-E	\$ 2,297 [1]
3	SC Retail actual rate case costs incurred for Docket No. 2023-388-E	1,459 [1]
4	SC Retail projected rate case costs from capital cutoff through the rates effective date	<u>5,441 [1]</u>
5	SC Retail rate case costs total (L2 + L3 + L4)	\$ 9,197
6	Amortization period (years)	5
7	Impact to O&M (L5 / L6)	<u>\$ 1,839</u>
8		
9	Statutory tax rate	24.95% [2]
10	Impact to income taxes (-L7 x L9)	<u>\$ (459)</u>
11		
12	Impact to operating income (-L7 - L10)	<u>\$ (1,381)</u>
13		
14		
15	<u>Impact to Rate Base</u>	
16	SC Retail rate case costs deferral balance (L5)	\$ 9,197
17	Less amounts included in test year rate base balance	(3,660) [3]
18	Less first year of amortization (-L7)	<u>(1,839)</u>
19	Projected Working Capital after first year of amortization (L16 + L17 + L18)	\$ 3,698
20		
21	Impact to working capital (L19)	<u>\$ 3,698</u>
22		
23	Impact to accumulated deferred income tax (-L21 x L9)	<u>\$ (923)</u>
24		
25	Impact to rate base (L21 + L23)	<u>\$ 2,775</u>

[1] SC5020-2 - SC Retail Rate Case Expenses

[2] SC1010-4 Tax Rate - 2023 Calculation of Tax Rates, Line 10

[3] Cost of Service, Line 186 MDD-DEF RATE CASE EXP-SCR

DUKE ENERGY CAROLINAS, LLC  
 Docket No. 2023-388-E  
 Amortize Rate Case Costs  
 For the Test Period Ending December 31, 2022

Supplemental Direct  
 SC5020-2 Rate Case Expenses

SC Retail Rate Case Expenses

*Account & Description: 0186195 - Deferred Rate Case Expense*

Line No.	Year	Docket No. 2018- 319-E	Docket No. 2023- 388-E
1	January 2019	\$ 219,717	\$ -
2	February 2019	234,297	-
3	March 2019	217,660	-
4	April 2019	314,522	-
5	May 2019	870,756	-
6	June 2019	204,318	-
7	July 2019	71,128	-
8	August 2019	127,444	-
9	September 2019	18,370	-
10	October 2019	8,670	-
11	November 2019	-	-
12	December 2019	7,877	-
13		<i>Subtotal 2019 expenses</i>	<i>\$ 2,294,759</i>
14	January 2020	-	-
15	February 2020	-	-
16	March 2020	1,049	-
17	April 2020	863	906
18	May 2020	738	1,227
19	June 2020	-	-
20	July 2020	-	141
21	August 2020	-	-
22	September 2020	-	-
23	October 2020	-	531
24	November 2020	-	-
25	December 2020	-	10,683
26		<i>Subtotal 2020 expenses</i>	<i>\$ 2,650</i>
27	January 2021	-	-
28	February 2021	-	6,218
29	March 2021	-	2,556
30	April 2021	-	-
31	May 2021	-	2,084
32	June 2021	-	10,020
33	July 2021	-	9,465
34	August 2021	-	23,113
35	September 2021	-	1,337
36	October 2021	-	3,099
37	November 2021	-	20,060
38	December 2021	-	14,229
39		<i>Subtotal 2021 expenses</i>	<i>\$ 92,182</i>
40	January 2022	-	11,639
41	February 2022	-	845
42	March 2022	-	1,941
43	April 2022	-	57,888
44	May 2022	-	16,913
45	June 2022	-	5,705
46	July 2022	-	258
47	August 2022	-	10,385
48	September 2022	-	3,548
49	October 2022	-	73,347
50	November 2022	-	28,054
51	December 2022	-	5,353
52		<i>Subtotal 2022 expenses</i>	<i>\$ 215,874</i>
53	January 2023	-	117,407
54	February 2023	-	3,173
55	March 2023	-	17,640
56	April 2023	-	18,961
57	May 2023	-	30,834
58	June 2023	-	29,663
59	July 2023	-	28,337
60	August 2023	-	47,330
61	September 2023	-	114,598
62	October 2023	-	125,371
63	November 2023	-	338,369
64	December 2023	-	266,146
65		<i>Subtotal 2023 expenses</i>	<i>\$ 1,137,829</i>
66			
67	Total - Actuals (through September 2023)	\$ 2,297,409	\$ 1,459,372
68	Total - Projection (capital cutoff December 2023 - rates effective date)	-	5,440,628
69	Total - SC Retail rate case expenses (L67 + L68)	<u>\$ 2,297,409</u>	<u>\$ 6,900,000</u>

Jiggetts Supplemental Direct Exhibit 4

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DUKE ENERGY CAROLINAS, LLC

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Amortize environmental non-ARO costs

For the Test Period Ending December 31, 2022

Supplemental Direct

SC5030 Narrative

**Detailed Narrative Explanation of Adjustment**

This pro forma adjusts amortization expense and income taxes for the amortization of the regulatory asset balance resulting from the deferred cost of capital related to South Carolina Non-ARO environmental net plant additions (after January 1, 2019) and deferred depreciation expense until new rates are effective August 1, 2024.

The impact to amortization expense is determined by dividing the South Carolina Retail regulatory asset balance by the amortization period of three years.

The impact to rate base is determined by reducing the cost of capital portion of the regulatory asset balance by one year of amortization expense and related accumulated deferred income taxes.

The impact to income taxes is determined by multiplying taxable income by the statutory tax rate.

**Supplemental Direct.**

On page SC5030-2 Deferral - Corrected return formula beginning in August of 2021.

On page SC5030-1 Calculation - corrected formula to pick up July 2024 amount.

DUKE ENERGY CAROLINAS, LLC  
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Supplemental Direct  
SC5030 Summary  
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Line No	<b>Impacted Income Statement Line Items</b>	Source	Total	Total		
			SC Retail	SC Retail	Application	Change
1	Sales of Electricity		\$	-	\$	-
2	Other Revenue					
3	Electric operating revenue (L1+L2)					
4						
5	<u>Electric operating expenses:</u>					
6	Operation and maintenance:					
7	Fuel used in electric generation					
8	Purchased power					
9	Other operation and maintenance expense					
10	Depreciation and amortization	SC5030-1	\$	10,028	\$	8,654
11	General taxes					\$ 1,373
12	Interest on customer deposits					
13	EDIT Amortization					
14	Net income taxes	SC5030-1		(2,502)	(2,159)	\$ (343)
15	Amortization of investment tax credit					
16	Total electric operating expenses (sum(L7:L15))		\$	7,526	\$	6,495
17						\$ 1,031
18	Operating income (L3-L16)		\$	(7,526)	\$ (6,495)	\$ (1,031)
19	<b>Rate Base</b>					
20	Electric plant in service		\$	-	\$	-
21	Accumulated depreciation and amortization		\$	-	\$	-
22	Net electric plant in service (L20 + L21)		\$	-	\$	-
23	Construction Work in Progress		\$	-	\$	-
24	Plant Held for Future Use		\$	-	\$	-
25	Materials and supplies		\$	-	\$	-
26	Total Working Capital	SC5030-1	\$	40,111	\$	34,617
27	Accumulated deferred income taxes	SC5030-1	\$	(10,008)	\$ (8,637)	\$ (1,371)
28	Operating reserves		\$	-	\$	-
	Total Rate Base (sum(L22:L28))		\$	30,103	\$	25,980
						\$ 4,123

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Supplemental Direct  
 SC5030-1 Calculation  
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<u>Line No.</u>	<u>Description</u>	<u>Total SC Retail</u>
1		
2	<u>Impact to income statement line items</u>	
3	Projected ending balance at December 31, 2023	\$ 50,138 [1]
4	Years to amortize	5
5	Impact to depreciation and amortization (L3 / L4)	\$ 10,028
6		
7	Statutory tax rate	24.95% [2]
8	Impact to income taxes (-L5 x L7)	\$ (2,502)
9		
10	Impact to operating income (-L5 - L8)	\$ (7,526)
11		
12	<u>Impact to rate base line items</u>	
13	Regulatory asset for new deferral (L3)	\$ 50,138
14	Less first year of amortization (-L5)	(10,028)
15	Impact to working capital investment (L13 + L14)	\$ 40,111
16		
17	Deferred tax rate	24.9500% [2]
18	Impact to accumulated deferred income tax (-L15 x L17)	\$ (10,008)
19		
20	Impact to rate base (L15 + L18)	\$ 30,103

[1] SC5030-2 Deferral - SC Retail Deferred Non-ARO Environmental Costs Regulatory Asset, Line 69

[2] SC1010-4 Tax Rate - 2022 Calculation of Tax Rates, Line 10

DUKE ENERGY CAROLINAS, LLC

Docket No. 2023-388-E

Amortize environmental non-ARO costs

For the Test Period Ending December 31, 2022

(Dollars in thousands)

Supplemental Direct  
SC5030-2 Deferral  
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Line No.	Month	System			SC Retail Allocation [3]	Net Plant e=c*d f=(PMc+e)/2	Balance for Return g=f*p/12 h=f*q/12	Pre Tax LTD Rate p	Pre Tax Equity Rate q	Total Return on Investment i=g+h	Depreciation Expense j=b*d	Balance for Return k=PMo+(i+j)/2	After Tax LTD Rate r	After Tax Equity Rate s	Total Return on deferral m=k*s/12 n=l+m	Total Deferral o=PMo+i+j+n	
		Plant Additions [1]	Depreciation Expense [2]	Net Plant c=PMc+a-b													
Eff. Through 5/2019 [4]	2.48%	7.20%													1.86%	5.41%	
Effective 6/2019 [4]	2.13%	6.71%													1.60%	5.04%	
SC Retail Deferred Non-ARO Environmental Costs Regulatory Asset																	
1 Jan-2019	119,067	-	119,067	23.3309%	27,779	13,890	29	83	112	-	-	-	-	-	-	-	112
2 Feb-2019	12,272	350	130,989	23.3309%	30,561	29,170	60	175	235	82	271	0	1	2	1	2	431
3 Mar-2019	82,185	390	212,784	23.3309%	49,644	40,103	83	241	324	91	638	1	3	4	3	4	849
4 Apr-2019	7,091	606	219,270	23.3309%	51,158	50,401	104	303	407	141	1,123	2	5	7	5	7	1,404
5 May-2019	3,291	626	221,936	23.3309%	51,780	51,469	106	309	415	146	1,685	3	8	10	8	10	1,976
6 Jun-2019	9,920	635	231,221	23.3309%	53,946	52,863	94	296	389	148	2,244	3	9	12	9	12	2,526
7 Jul-2019	(1,997)	661	228,563	23.3309%	53,326	53,636	95	300	395	154	2,800	4	12	15	12	15	3,090
8 Aug-2019	3,345	656	231,252	23.3309%	53,953	53,639	95	300	395	153	3,364	4	14	19	14	19	3,657
9 Sep-2019	1,313	665	231,900	23.3309%	54,104	54,029	96	302	398	155	3,934	5	17	22	17	22	4,232
10 Oct-2019	758	669	231,988	23.3309%	54,125	54,115	96	303	399	156	4,509	6	19	25	19	25	4,811
11 Nov-2019	(268)	671	231,050	23.3309%	53,906	54,015	96	302	398	157	5,089	7	21	28	21	28	5,394
12 Dec-2019	11,415	670	241,794	23.3309%	56,413	55,159	98	308	406	156	5,675	8	24	31	24	31	5,988
13 Jan-2020	148	701	241,240	23.2400%	56,064	56,238	100	314	414	163	6,277	8	26	35	26	35	6,600
14 Feb-2020	163	702	240,702	23.2400%	55,939	56,002	99	313	412	163	6,888	9	29	38	29	38	7,214
15 Mar-2020	13	702	240,012	23.2400%	55,779	55,859	99	312	411	163	7,501	10	31	41	31	41	7,830
16 Apr-2020	2	702	239,311	23.2400%	55,616	55,697	99	311	410	163	8,116	11	34	45	34	45	8,448
17 May-2020	0	702	238,609	23.2400%	55,453	55,534	99	310	409	163	8,734	12	37	48	37	48	9,068
18 Jun-2020	-	702	237,907	23.2400%	55,289	55,371	98	310	408	163	9,354	12	39	52	39	52	9,691
19 Jul-2020	-	702	237,204	23.2400%	55,126	55,208	98	309	407	163	9,976	13	42	55	42	55	10,316
20 Aug-2020	-	702	236,502	23.2400%	54,963	55,045	98	308	405	163	10,600	14	44	59	44	59	10,943
21 Sep-2020	-	702	235,800	23.2400%	54,800	54,881	97	307	404	163	11,227	15	47	62	47	62	11,573
22 Oct-2020	4	702	235,101	23.2400%	54,637	54,719	97	306	403	163	11,856	16	50	66	50	66	12,204
23 Nov-2020	(0)	702	234,399	23.2400%	54,474	54,556	97	305	402	163	12,487	17	52	69	52	69	12,839
24 Dec-2020	-	702	233,697	23.2400%	54,311	54,393	97	304	401	163	13,120	17	55	73	55	73	13,475
25 Jan-2021	-	702	232,994	23.0050%	53,600	53,956	96	302	397	162	13,754	18	58	76	58	76	14,110
26 Feb-2021	-	702	232,292	23.0050%	53,439	53,520	95	299	394	162	14,388	19	60	80	60	80	14,745
27 Mar-2021	-	702	231,590	23.0050%	53,277	53,358	95	298	393	162	15,022	20	63	83	63	83	15,383
28 Apr-2021	-	702	230,887	23.0050%	53,116	53,197	94	297	392	162	15,659	21	66	87	66	87	16,023
29 May-2021	-	702	230,185	23.0050%	52,954	53,035	94	297	391	162	16,299	22	68	90	68	90	16,665
30 Jun-2021	-	980	229,205	23.0050%	52,729	52,841	94	295	389	225	16,972	23	71	94	71	94	17,373
31 Jul-2021	-	980	228,226	23.0050%	52,503	52,616	93	294	388	225	17,680	24	74	98	74	98	18,084
32 Aug-2021	37,463	980	264,709	23.0050%	60,896	56,700	101	317	418	225	18,405	25	77	102	77	102	18,829
33 Sep-2021	155	1,110	263,754	23.0050%	60,677	60,787	108	340	448	255	19,180	26	80	106	80	106	19,638
34 Oct-2021	596	1,110	263,240	23.0050%	60,559	60,618	108	339	446	255	19,988	27	84	110	84	110	20,450
35 Nov-2021	473	1,112	262,601	23.0050%	60,411	60,485	107	338	445	256	20,801	28	87	115	87	115	21,266
36 Dec-2021	1,376	1,114	262,863	23.0050%	60,472	60,442	107	338	445	256	21,617	29	91	119	91	119	22,087

DUKE ENERGY CAROLINAS, LLC  
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Supplemental Direct  
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										Pre Tax	Pre Tax	After Tax	After Tax			
										LTD Rate	Equity Rate	LTD Rate	Equity Rate			
										p	q	r	s			
										Eff. Through 5/2019 [4]	2.48%	7.20%	1.86%			
										Effective 6/2019 [4]	2.13%	6.71%	1.60%			
SC Retail Deferred Non-ARO Environmental Costs Regulatory Asset																
System										SC Retail						
Line No.	Month	Plant Additions [1]	Depreciation Expense [2]	Net Plant	SC Retail Allocation [3]	Net Plant e=c*d	Balance for Return f=(PMc+e)/2	Pre Tax Debt Return g=f*p/12	Pre Tax Equity Return h=f*q/12	Total Return on Investment i=g+h	Depreciation Expense j=b*d	Balance for Return k=PMo+(i+j)/2	After Tax Debt Return l=k*r/12	After Tax Equity Return m=k*s/12	Total Return on deferral n=l+m	Total Deferral o=PMo+i+j+n
49	Jan-2023	-	1,119	248,418	23.8357%	59,212	60,323	107	337	444	267	33,119	44	139	183	33,657
50	Feb-2023	-	1,119	247,299	23.8357%	58,945	59,079	105	330	435	267	34,008	45	143	188	34,547
51	Mar-2023	-	1,119	246,180	23.8357%	58,679	58,812	104	329	433	267	34,897	46	146	193	35,440
52	Apr-2023	-	1,119	245,061	23.8357%	58,412	58,545	104	327	431	267	35,789	48	150	198	36,336
53	May-2023	-	1,119	243,942	23.8357%	58,145	58,279	103	326	429	267	36,684	49	154	203	37,234
54	Jun-2023	-	1,119	242,823	23.8357%	57,879	58,012	103	324	427	267	37,581	50	158	208	38,136
55	Jul-2023	-	1,119	241,704	23.8357%	57,612	57,745	102	323	425	267	38,482	51	161	213	39,041
56	Aug-2023	-	1,119	240,585	23.8357%	57,345	57,478	102	321	423	267	39,386	52	165	218	39,948
57	Sep-2023	-	1,119	239,466	23.8357%	57,078	57,212	102	320	421	267	40,292	54	169	223	40,859
58	Oct-2023	-	1,119	238,347	23.8357%	56,812	56,945	101	318	419	267	41,202	55	173	228	41,773
59	Nov-2023	-	1,119	237,228	23.8357%	56,545	56,678	101	317	417	267	42,115	56	177	233	42,690
60	Dec-2023	-	1,119	236,109	23.8357%	56,278	56,412	100	315	415	267	43,031	57	181	238	43,610
61	Jan-2024	1,119	234,991	23.8357%	56,012	56,145	100	314	414	267	43,950	59	184	243	44,533	
62	Feb-2024	1,119	233,872	23.8357%	55,745	55,878	99	312	412	267	44,872	60	188	248	45,459	
63	Mar-2024	1,119	232,753	23.8357%	55,478	55,611	99	311	410	267	45,798	61	192	253	46,389	
64	Apr-2024	1,119	231,634	23.8357%	55,211	55,345	98	309	408	267	46,726	62	196	258	47,321	
65	May-2024	1,119	230,515	23.8357%	54,945	55,078	98	308	406	267	47,658	63	200	263	48,257	
66	Jun-2024	1,119	229,396	23.8357%	54,678	54,811	97	306	404	267	48,592	65	204	269	49,196	
67	Jul-2024	1,119	228,277	23.8357%	54,411	54,545	97	305	402	267	49,530	66	208	274	50,138	
68	Aug-2024															
69		\$ 288,885		\$ 60,608				\$ 6,682	\$ 20,959	\$ 27,641		\$ 14,378				\$ 1,956 \$ 6,163 \$ 8,120 \$ 50,138

[1] SC5030-3 Plant Detail - Environmental Non-ARO Plant in Service and Depreciation Expense Detailed Activity, Line 6

[2] SC5030-3 Plant Detail - Environmental Non-ARO Plant in Service and Depreciation Expense Detailed Activity, Line 11

[3] SC5030-5 Factors - Cost of Service Allocations Factors

[4] SC5030-4 WACC - Cost of debt for deferral period

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Environmental Non-ARO Plant in Service and Depreciation Expense  
 Detailed Activity

Line No.	Description	1 2019 Jan-2019	2 2019 Feb-2019	3 2019 Mar-2019	4 2019 Apr-2019	5 2019 May-2019	6 2019 Jun-2019	7 2019 Jul-2019	8 2019 Aug-2019	9 2019 Sep-2019	10 2019 Oct-2019	11 2019 Nov-2019	12 2019 Dec-2019	1 2020 Jan-2020
<b>Actuals [1]</b>														
3	<u>Sum of System Plant in Service Additions (Sum L16 : L27)</u>	\$ 119,031	\$ 12,235	\$ 82,175	\$ 7,083	\$ 3,298	\$ 9,920	\$ (1,997)	\$ 3,345	\$ 1,313	\$ 758	\$ (268)	\$ 11,415	\$ 148
4	Steam plant in service	36	37	10	8	(6)	1	0	(0)	-	-	-	-	-
5	Other production plant													
6	Total System Plant in Service Additions (Sum L4:L5)	\$ 119,067	\$ 12,272	\$ 82,185	\$ 7,091	\$ 3,291	\$ 9,920	\$ (1,997)	\$ 3,345	\$ 1,313	\$ 758	\$ (268)	\$ 11,415	\$ 148
8	<u>Sum of System Depreciation Expense (Sum L33 : L44)</u>	\$ -	\$ 350	\$ 389	\$ 605	\$ 625	\$ 635	\$ 661	\$ 656	\$ 665	\$ 669	\$ 671	\$ 670	\$ 701
9	Steam depreciation expense	-	0	0	0	0	0	0	0	0	0	0	0	0
10	Other production plant													
11	Total System Depreciation Expense (Sum L9:L10)	\$ -	\$ 350	\$ 390	\$ 606	\$ 626	\$ 635	\$ 661	\$ 656	\$ 665	\$ 669	\$ 671	\$ 670	\$ 701
14	<u>System Plant in Service Additions</u>													
	<u>Depreciation Group</u>	Jan-2019	Feb-2019	Mar-2019	Apr-2019	May-2019	Jun-2019	Jul-2019	Aug-2019	Sep-2019	Oct-2019	Nov-2019	Dec-2019	Jan-2020
16	D FOS 311 Allen-20003	8,963	3,614	635	1,081	338	188	39	294	32	141	25	6	-
17	D FOS 311 Belews Crk-20003	24,771	554	741	471	175	77	99	470	10	-	-	-	-
18	D FOS 311 Cliffside 5&6-20003	21,978	2,364	2,989	3,491	1,138	1,955	343	376	353	224	115	173	0
19	D FOS 311 Lee-20003	11	(99)	10	-	-	-	-	-	-	-	-	-	-
20	D FOS 311 Marshall-20003	975	302	77,181	1,392	1,590	4,739	(1,580)	1,854	921	283	(417)	811	(44)
21	D FOS 312 Allen-20003	61,946	4,985	398	475	103	315	20	305	(9)	93	10	5	-
22	D FOS 312 Belews Crk-20003	(85)	163	(22)	(1)	(6)	(12)	12	0	(0)	-	-	-	-
23	D FOS 312 Cliffside 5-20003	50	37	34	-	-	-	-	-	-	-	-	-	-
24	D FOS 312 Cliffside 6-20003	38	1	2	1	-	-	-	-	-	-	-	-	-
25	D FOS 312 Marshall-20003	383	313	205	172	(41)	2,658	(931)	46	6	16	(1)	10,419	192
26	D FOS 315 Cliffside 5&6-20003	0	1	2	2	0	1	0	0	0	0	0	-	-
27	D OTH 341 Buck-20004	36	37	10	8	(6)	1	0	(0)	-	-	-	-	-
28	Total (Sum L16:L27)	119,067	12,272	82,185	7,091	3,291	9,920	(1,997)	3,345	1,313	758	(268)	11,415	148
30	<u>System Depreciation Expense</u>													
	<u>Depreciation Group</u>	Jan-2019	Feb-2019	Mar-2019	Apr-2019	May-2019	Jun-2019	Jul-2019	Aug-2019	Sep-2019	Oct-2019	Nov-2019	Dec-2019	Jan-2020
33	D FOS 311 Allen-20003	-	35	50	52	56	58	58	59	60	60	60	61	61
34	D FOS 311 Belews Crk-20003	-	63	65	67	68	68	69	69	70	70	70	70	70
35	D FOS 311 Cliffside 5&6-20003	-	57	63	71	80	83	88	89	90	91	91	92	92
36	D FOS 311 Lee-20003	-	0	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
37	D FOS 311 Marshall-20003	-	3	3	205	209	213	226	221	226	229	229	228	230
38	D FOS 312 Allen-20003	-	191	206	208	209	209	210	210	211	211	212	212	212
39	D FOS 312 Belews Crk-20003	-	(0)	0	0	0	0	0	0	0	0	0	0	0
40	D FOS 312 Cliffside 5-20003	-	0	0	0	0	0	0	0	0	0	0	0	0
41	D FOS 312 Cliffside 6-20003	-	0	0	0	0	0	0	0	0	0	0	0	0
42	D FOS 312 Marshall-20003	-	1	2	2	3	3	10	8	8	8	8	8	36
43	D FOS 315 Cliffside 5&6-20003	-	0	0	0	0	0	0	0	0	0	0	0	0
44	D OTH 341 Buck-20004	-	0	0	0	0	0	0	0	0	0	0	0	0
		350	390	606	626	635	661	656	665	669	671	670	701	

[1] Non-ARO environmental actual plant additions per Asset Accounting

DUKE ENERGY CAROLINAS, LLC  
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Environmental Non-ARO Plant in Service and Depreciation Expenses  
Detailed Activity

Line No.	Description	2 Feb-2020	3 Mar-2020	4 Apr-2020	5 May-2020	6 Jun-2020	7 Jul-2020	8 Aug-2020	9 Sep-2020	10 Oct-2020	11 Nov-2020	12 Dec-2020	1 Jan-2021	2 Feb-2021
1	<b>Actuals [1]</b>													
2														
3	<u>Sum of System Plant in Service Additions (Sum L16 : L27)</u>	\$ 163	\$ 13	\$ 2	\$ 0	\$ -	\$ -	\$ -	\$ -	\$ 4	\$ (0)	\$ -	\$ -	\$ -
4	Steam plant in service	-	-	-	-	-	-	-	-	-	-	-	-	-
5	Other production plant	-	-	-	-	-	-	-	-	-	-	-	-	-
6	Total System Plant in Service Additions (Sum L4:L5)	\$ 163	\$ 13	\$ 2	\$ 0	\$ -	\$ -	\$ -	\$ -	\$ 4	\$ (0)	\$ -	\$ -	\$ -
7														
8	<u>Sum of System Depreciation Expense (Sum L33 : L44)</u>	\$ 702	\$ 702	\$ 702	\$ 702	\$ 702	\$ 702	\$ 702	\$ 702	\$ 702	\$ 702	\$ 702	\$ 702	\$ 702
9	Steam depreciation expense	0	0	0	0	0	0	0	0	0	0	0	0	0
10	Other production plant	-	-	-	-	-	-	-	-	-	-	-	-	-
11	Total System Depreciation Expense (Sum L9:L10)	\$ 702	\$ 702	\$ 702	\$ 702	\$ 702	\$ 702	\$ 702	\$ 702	\$ 702	\$ 702	\$ 702	\$ 702	\$ 702
12														
13														
14	<u>System Plant in Service Additions</u>													
15	<u>Depreciation Group</u>	Feb-2020	Mar-2020	Apr-2020	May-2020	Jun-2020	Jul-2020	Aug-2020	Sep-2020	Oct-2020	Nov-2020	Dec-2020	Jan-2021	Feb-2021
16	D FOS 311 Allen-20003	-	-	-	-	-	-	-	-	-	-	-	-	-
17	D FOS 311 Belews Crk-20003	-	-	-	-	-	-	-	-	-	-	-	-	-
18	D FOS 311 Cliffside 5&6-20003	0	-	0	(0)	-	-	-	-	-	-	-	-	-
19	D FOS 311 Lee-20003	-	-	(0)	-	-	-	-	-	-	-	-	-	-
20	D FOS 311 Marshall-20003	-	-	-	-	-	-	-	-	-	-	-	-	-
21	D FOS 312 Allen-20003	-	1	0	-	-	-	-	-	-	-	-	-	-
22	D FOS 312 Belews Crk-20003	-	-	-	-	-	-	-	-	-	-	-	-	-
23	D FOS 312 Cliffside 5-20003	-	-	0	-	-	-	-	-	-	-	-	-	-
24	D FOS 312 Cliffside 6-20003	-	-	-	-	-	-	-	-	-	-	-	-	-
25	D FOS 312 Marshall-20003	163	12	2	0	-	-	-	-	4	(0)	-	-	-
26	D FOS 315 Cliffside 5&6-20003	-	-	-	-	-	-	-	-	-	-	-	-	-
27	D OTH 341 Buck-20004	-	-	-	-	-	-	-	-	-	-	-	-	-
28	Total (Sum L16:L27)	163	13	2	0	-	-	-	-	4	(0)	-	-	-
29														
30	<u>System Depreciation Expense</u>													
31	<u>Depreciation Group</u>	Feb-2020	Mar-2020	Apr-2020	May-2020	Jun-2020	Jul-2020	Aug-2020	Sep-2020	Oct-2020	Nov-2020	Dec-2020	Jan-2021	Feb-2021
32	D FOS 311 Allen-20003	61	61	61	61	61	61	61	61	61	61	61	61	61
33	D FOS 311 Belews Crk-20003	70	70	70	70	70	70	70	70	70	70	70	70	70
34	D FOS 311 Cliffside 5&6-20003	92	92	92	92	92	92	92	92	92	92	92	92	92
35	D FOS 311 Lee-20003	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
36	D FOS 311 Marshall-20003	230	230	230	230	230	230	230	230	230	230	230	230	230
37	D FOS 312 Allen-20003	212	212	212	212	212	212	212	212	212	212	212	212	212
38	D FOS 312 Belews Crk-20003	0	0	0	0	0	0	0	0	0	0	0	0	0
39	D FOS 312 Cliffside 5-20003	0	0	0	0	0	0	0	0	0	0	0	0	0
40	D FOS 312 Cliffside 6-20003	0	0	0	0	0	0	0	0	0	0	0	0	0
41	D FOS 312 Marshall-20003	0	0	0	0	0	0	0	0	0	0	0	0	0
42	D FOS 315 Cliffside 5&6-20003	37	37	37	37	37	37	37	37	37	37	37	37	37
43	D OTH 341 Buck-20004	0	0	0	0	0	0	0	0	0	0	0	0	0
44	Total (Sum L32:L44)	702	702	702	702	702	702	702	702	702	702	702	702	702

[1] Non-ARO environmental actual plant additions per Asset Accounting

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Environmental Non-ARO Plant in Service and Depreciation Expenses  
Detailed Activity

Line No.	Description	3 2021 Mar-2021	4 2021 Apr-2021	5 2021 May-2021	6 2021 Jun-2021	7 2021 Jul-2021	8 2021 Aug-2021	9 2021 Sep-2021	10 2021 Oct-2021	11 2021 Nov-2021	12 2021 Dec-2021	1 2022 Jan-2022	2 2022 Feb-2022	3 2022 Mar-2022	
1	<b>Actuals [1]</b>														
2	<b>Sum of System Plant in Service Additions (Sum L16 : L27)</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 37,463	\$ 155	\$ 596	\$ 473	\$ 1,376	\$ 6	\$ 23	\$ 17	
3	Steam plant in service														
4	Other production plant														
5	Total System Plant in Service Additions (Sum L4:L5)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 37,463	\$ 155	\$ 596	\$ 473	\$ 1,376	\$ 6	\$ 23	\$ 17	
6	<b>Sum of System Depreciation Expense (Sum L33 : L44)</b>														
7	Steam depreciation expense	\$ 702	\$ 702	\$ 702	\$ 980	\$ 980	\$ 980	\$ 1,109	\$ 1,110	\$ 1,110	\$ 1,112	\$ 1,114	\$ 1,118	\$ 1,118	
8	Other production plant	0	0	0	0	0	0	0	0	0	0	0	0	0	
9	Total System Depreciation Expense (Sum L9:L10)	\$ 702	\$ 702	\$ 702	\$ 980	\$ 980	\$ 980	\$ 1,110	\$ 1,110	\$ 1,112	\$ 1,114	\$ 1,119	\$ 1,119	\$ 1,119	
10	<b>System Plant in Service Additions</b>														
11	<b>Depreciation Group</b>	Mar-2021	Apr-2021	May-2021	Jun-2021	Jul-2021	Aug-2021	Sep-2021	Oct-2021	Nov-2021	Dec-2021	Jan-2022	Feb-2022	Mar-2022	
12	D FOS 311 Allen-20003	-	-	-	-	-	-	-	-	-	-	-	-	-	
13	D FOS 311 Belews Crk-20003	-	-	-	-	-	-	-	-	-	-	-	-	-	
14	D FOS 311 Cliffside 5&6-20003	-	-	-	-	-	-	-	-	-	-	-	-	-	
15	D FOS 311 Lee-20003	-	-	-	-	-	-	-	-	-	-	-	-	-	
16	D FOS 311 Marshall-20003	-	-	-	-	-	-	-	-	-	-	-	-	-	
17	D FOS 312 Allen-20003	-	-	-	-	-	-	-	-	-	-	-	-	-	
18	D FOS 312 Belews Crk-20003	-	-	-	-	-	-	-	-	-	-	-	-	-	
19	D FOS 312 Cliffside 5-20003	-	-	-	-	-	-	-	-	-	-	-	-	-	
20	D FOS 312 Cliffside 6-20003	-	-	-	-	-	-	-	-	-	-	-	-	-	
21	D FOS 312 Marshall-20003	-	-	-	-	-	-	-	-	-	-	-	-	-	
22	Total (Sum L16:L27)	-	-	-	-	-	\$ 37,463	\$ 155	\$ 596	\$ 473	\$ 1,376	\$ 6	\$ 23	\$ 17	
23	<b>System Depreciation Expense</b>														
24	<b>New Depr Rates Eff.</b>	Mar-2021	Apr-2021	May-2021	Jun-2021	Jul-2021	Aug-2021	Sep-2021	Oct-2021	Nov-2021	Dec-2021	Jan-2022	Feb-2022	Mar-2022	
25	<b>Depreciation Group</b>	61	61	61	113	113	113	113	113	113	113	113	113	113	
26	D FOS 311 Allen-20003	70	70	70	86	86	86	86	86	86	86	86	86	86	
27	D FOS 311 Belews Crk-20003	92	92	92	103	103	103	103	103	103	103	103	103	103	
28	D FOS 311 Cliffside 5&6-20003	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	
29	D FOS 311 Lee-20003	230	230	230	402	402	402	402	402	402	402	402	402	402	
30	D FOS 311 Marshall-20003	212	212	212	233	233	233	233	233	233	233	233	233	233	
31	D FOS 312 Allen-20003	0	0	0	0	0	0	0	0	0	0	0	0	0	
32	D FOS 312 Belews Crk-20003	0	0	0	0	0	0	0	0	0	0	0	0	0	
33	D FOS 312 Cliffside 5-20003	0	0	0	0	0	0	0	0	0	0	0	0	0	
34	D FOS 312 Cliffside 6-20003	0	0	0	0	0	0	0	0	0	0	0	0	0	
35	D FOS 312 Marshall-20003	37	37	37	43	43	43	43	43	43	43	43	43	43	
36	D FOS 315 Cliffside 5&6-20003	0	0	0	0	0	0	0	0	0	0	0	0	0	
37	D OTH 341 Buck-20004	0	0	0	0	0	0	0	0	0	0	0	0	0	

[1] Non-ARO environmental actual plant additions per Asset Accounting

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Environmental Non-ARO Plant in Service and Depreciation Expenses  
 Detailed Activity

Line No.	Description	4 2022 Apr-2022	5 2022 May-2022	6 2022 Jun-2022	7 2022 Jul-2022	8 2022 Aug-2022	9 2022 Sep-2022	10 2022 Oct-2022	11 2022 Nov-2022	12 2022 Dec-2022	1 2023 Jan-2023	2 2023 Feb-2023	3 2023 Mar-2023	4 2023 Apr-2023
1	<b>Actuals [1]</b>													
2														
3	<b>Sum of System Plant in Service Additions (Sum L16 : L27)</b>													
4	Steam plant in service	\$ 18	\$ 6	\$ 31	\$ 0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
5	Other production plant	-	-	-	-	-	-	-	-	-	-	-	-	-
6	Total System Plant in Service Additions (Sum L4:L5)	\$ 18	\$ 6	\$ 31	\$ 0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
7	<b>Sum of System Depreciation Expense (Sum L33 : L44)</b>													
8														
9	Steam depreciation expense	\$ 1,119	\$ 1,119	\$ 1,119	\$ 1,119	\$ 1,119	\$ 1,119	\$ 1,119	\$ 1,119	\$ 1,119	\$ 1,119	\$ 1,119	\$ 1,119	\$ 1,119
10	Other production plant	0	0	0	0	0	0	0	0	0	0	0	0	0
11	Total System Depreciation Expense (Sum L9:L10)	\$ 1,119	\$ 1,119	\$ 1,119	\$ 1,119	\$ 1,119	\$ 1,119	\$ 1,119	\$ 1,119	\$ 1,119	\$ 1,119	\$ 1,119	\$ 1,119	\$ 1,119
12	<b>System Plant in Service Additions</b>													
13														
14	<b>Depreciation Group</b>													
15	D FOS 311 Allen-20003	-	-	-	-	-	-	-	-	-	-	-	-	-
16	D FOS 311 Belews Crk-20003	-	-	-	-	-	-	-	-	-	-	-	-	-
17	D FOS 311 Cliffside 5&6-20003	-	-	-	-	-	-	-	-	-	-	-	-	-
18	D FOS 311 Lee-20003	-	-	-	-	-	-	-	-	-	-	-	-	-
19	D FOS 311 Marshall-20003	-	-	-	-	-	-	-	-	-	-	-	-	-
20	D FOS 312 Allen-20003	-	-	-	-	-	-	-	-	-	-	-	-	-
21	D FOS 312 Belews Crk-20003	-	-	-	-	-	-	-	-	-	-	-	-	-
22	D FOS 312 Cliffside 5-20003	-	-	-	-	-	-	-	-	-	-	-	-	-
23	D FOS 312 Cliffside 6-20003	18	6	31	0	-	-	-	-	-	-	-	-	-
24	D FOS 312 Marshall-20003	-	-	-	-	-	-	-	-	-	-	-	-	-
25	D FOS 315 Cliffside 5&6-20003	-	-	-	-	-	-	-	-	-	-	-	-	-
26	D OTH 341 Buck-20004	-	-	-	-	-	-	-	-	-	-	-	-	-
27	Total (Sum L16:L27)	18	6	31	0	-	-	-	-	-	-	-	-	-
28	<b>System Depreciation Expense</b>													
29														
30	<b>Depreciation Group</b>													
31	D FOS 311 Allen-20003	113	113	113	113	113	113	113	113	113	113	113	113	113
32	D FOS 311 Belews Crk-20003	86	86	86	86	86	86	86	86	86	86	86	86	86
33	D FOS 311 Cliffside 5&6-20003	103	103	103	103	103	103	103	103	103	103	103	103	103
34	D FOS 311 Lee-20003	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
35	D FOS 311 Marshall-20003	402	402	402	402	402	402	402	402	402	402	402	402	402
36	D FOS 312 Allen-20003	233	233	233	233	233	233	233	233	233	233	233	233	233
37	D FOS 312 Belews Crk-20003	0	0	0	0	0	0	0	0	0	0	0	0	0
38	D FOS 312 Cliffside 5-20003	139	140	140	140	140	140	140	140	140	140	140	140	140
39	D FOS 312 Cliffside 6-20003	0	0	0	0	0	0	0	0	0	0	0	0	0
40	D FOS 312 Marshall-20003	43	43	43	43	43	43	43	43	43	43	43	43	43
41	D OTH 341 Buck-20004	0	0	0	0	0	0	0	0	0	0	0	0	0
42	Total (Sum L33:L44)	1,119	1,119	1,119	1,119	1,119	1,119	1,119	1,119	1,119	1,119	1,119	1,119	1,119

[1] Non-ARO environmental actual plant additions per Asset Accounting

DUKE ENERGY CAROLINAS, LLC  
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Environmental Non-ARO Plant in Service and Depreciation Expenses  
Detailed Activity

Line No.	Description	5 2023 May-2023	6 2023 Jun-2023	7 2023 Jul-2023	8 2023 Aug-2023	9 2023 Sep-2023	10 2023 Oct-2023	11 2023 Nov-2023	12 2023 Dec-2023	1 2024 Jan-2024	2 2024 Feb-2024	3 2024 Mar-2024	4 2024 Apr-2024	5 2024 May-2024	6 2024 Jun-2024	7 2024 Jul-2024	
1		<b>Actuals [1]</b>								<b>Forecast</b>							
2																	
3	<u>Sum of System Plant in Service Additions (Sum L16 : L27)</u>																
4	Steam plant in service	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
5	Other production plant	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6	Total System Plant in Service Additions (Sum L4:L5)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
7																	
8	<u>Sum of System Depreciation Expense (Sum L33 : L44)</u>																
9	Steam depreciation expense	\$ 1,119	\$ 1,119	\$ 1,119	\$ 1,119	\$ 1,119	\$ 1,119	\$ 1,119	\$ 1,119	\$ 1,119	\$ 1,119	\$ 1,119	\$ 1,119	\$ 1,119	\$ 1,119	\$ 1,119	\$ 1,119
10	Other production plant	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	Total System Depreciation Expense (Sum L9:L10)	\$ 1,119	\$ 1,119	\$ 1,119	\$ 1,119	\$ 1,119	\$ 1,119	\$ 1,119	\$ 1,119	\$ 1,119	\$ 1,119	\$ 1,119	\$ 1,119	\$ 1,119	\$ 1,119	\$ 1,119	\$ 1,119
12																	
13																	
14	<u>System Plant in Service Additions</u>																
15	<u>Depreciation Group</u>	May-2023	Jun-2023	Jul-2023	Aug-2023	Sep-2023	Oct-2023	Nov-2023	Dec-2023	Jan-2024	Feb-2024	Mar-2024	Apr-2024	May-2024	Jun-2024	Jul-2024	
16	D FOS 311 Allen-20003	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
17	D FOS 311 Belews Crk-20003	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
18	D FOS 311 Cliffside 5&6-20003	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
19	D FOS 311 Lee-20003	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20	D FOS 311 Marshall-20003	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21	D FOS 312 Allen-20003	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
22	D FOS 312 Belews Crk-20003	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
23	D FOS 312 Cliffside 5-20003	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
24	D FOS 312 Cliffside 6-20003	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25	D FOS 312 Marshall-20003	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
26	D FOS 315 Cliffside 5&6-20003	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
27	D OTH 341 Buck-20004	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
28	Total (Sum L16:L27)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
29																	
30	<u>System Depreciation Expense</u>																
31																	
32	<u>Depreciation Group</u>	May-2023	Jun-2023	Jul-2023	Aug-2023	Sep-2023	Oct-2023	Nov-2023	Dec-2023	Jan-2024	Feb-2024	Mar-2024	Apr-2024	May-2024	Jun-2024	Jul-2024	
33	D FOS 311 Allen-20003	113	113	113	113	113	113	113	113	113	113	113	113	113	113	113	113
34	D FOS 311 Belews Crk-20003	86	86	86	86	86	86	86	86	86	86	86	86	86	86	86	86
35	D FOS 311 Cliffside 5&6-20003	103	103	103	103	103	103	103	103	103	103	103	103	103	103	103	103
36	D FOS 311 Lee-20003	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
37	D FOS 311 Marshall-20003	402	402	402	402	402	402	402	402	402	402	402	402	402	402	402	402
38	D FOS 312 Allen-20003	233	233	233	233	233	233	233	233	233	233	233	233	233	233	233	233
39	D FOS 312 Belews Crk-20003	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
40	D FOS 312 Cliffside 5-20003	140	140	140	140	140	140	140	140	140	140	140	140	140	140	140	140
41	D FOS 312 Cliffside 6-20003	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
42	D FOS 312 Marshall-20003	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43
43	D FOS 315 Cliffside 5&6-20003	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
44	D OTH 341 Buck-20004	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

[1] Non-ARO environmental actual plant additions per Asset Accounting

DUKE ENERGY CAROLINAS, LLC  
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For the Test Period Ending December 31, 2022

Supplemental Direct  
SC5030-4 WACC  
Page 1 of 1

Cost of debt and equity for deferral periods

Line

No.

Effective through May 2019					
	Capitalization Ratio [1]	Approved Cost Rate [1]	Weighted Cost of Capital (WACC)		
			After Tax	Before Tax	
5 Long Term Debt	47.00%	5.28%	2.48%	1.86%	2.48%
6 Equity	53.00%	10.20%	5.41%	5.41%	7.20%
7 Total	<u>100.00%</u>		<u>7.89%</u>	<u>7.27%</u>	<u>9.68%</u>
8					
9 Effective State and Federal Income Tax Rate			24.9500%		
Effective June 2019					
	Capitalization Ratio [2]	Approved Cost Rate [2]	Weighted Cost of Capital (WACC)		
			After Tax	Before Tax	
15 Long Term Debt	47.00%	4.53%	2.13%	1.60%	2.13%
16 Equity	53.00%	9.50%	5.04%	5.04%	6.71%
17 Total	<u>100.00%</u>		<u>7.16%</u>	<u>6.63%</u>	<u>8.84%</u>
18					
19 Effective State and Federal Income Tax Rate			24.9500%		

[1] Cost of capital rates from Docket No. 2013-59-E

[2] Cost of capital rates from Docket No. 2018-319-E

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DUKE ENERGY CAROLINAS, LLC  
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Cost of Service Allocations Factors

Line	<u>Allocation Factor</u>	All - Production	<u>Demand - Jur</u>
1	COS 2018 - effective in 2019		23.3309%
2	COS 2019 - effective in 2020		23.2400%
3	COS 2020 - effective in 2021		23.0050%
4	COS 2021 - effective in 2022		24.6195%
5	COS 2022 - effective in 2023		23.8357%

DUKE ENERGY CAROLINAS, LLC  
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Amortize Grid costs  
For the Test Period Ending December 31, 2022

Supplemental Direct  
SC5040 Narrative

Detailed Narrative Explanation of Adjustment

This pro forma adjusts amortization expense and income taxes for the amortization of the deferred asset resulting from South Carolina Grid Improvement Plan costs in serviced January 1, 2019 until new rates are effective August 1, 2024.

The impact to rate base is determined by reducing the asset for one year of amortization and related accumulated deferred income taxes.

The impact to income taxes is determined by multiplying taxable income by the statutory tax rate.

**Supplemental Direct**

Updated 2023 O&M and Capital.

Includes an accounting true-up recorded related to the inclusion of Grid Improvement Plan project costs that were inadvertently excluded from the deferral balance in the Company's January 4, 2024 filing.

DUKE ENERGY CAROLINAS, LLC  
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Amortize Grid costs  
For the Test Period Ending December 31, 2022  
(Dollars in thousands)

Supplemental Direct  
SC5040 Summary  
Page 1 of 1

Line No	<u>Impacted Income Statement Line Items</u>	Source	Total SC Retail Supplemental Direct	Total SC Retail Application	Change
1	Sales of Electricity		\$ -	\$ -	
2	Other Revenue				
3	Electric operating revenue (L1+L2)		\$ -	\$ -	
4					
5	<u>Electric operating expenses:</u>				
6	Operation and maintenance:				
7	Fuel used in electric generation				
8	Purchased power				
9	Other operation and maintenance expense				
10	Depreciation and amortization	SC5040-1	\$ 10,942	\$ 10,592	\$ 350
11	General taxes				
12	Interest on customer deposits				
13	EDIT Amortization				
14	Net income taxes	SC5040-1	(2,730)	(2,643)	(87)
15	Amortization of investment tax credit				
16	Total electric operating expenses (sum(L7:L15))		\$ 8,212	\$ 7,949	\$ 263
17					
18	Operating income (L3-L16)		\$ (8,212)	\$ (7,949)	\$ (263)
19	<b>Rate Base</b>	Source	Total SC Retail Supplemental Direct	Total SC Retail Application	Change
20	Electric plant in service		\$ -	\$ -	\$ -
21	Accumulated depreciation and amortization		\$ -	\$ -	\$ -
22	Net electric plant in service (L20 + L21)		\$ -	\$ -	\$ -
23	Construction Work in Progress		\$ -	\$ -	\$ -
24	Plant Held for Future Use		\$ -	\$ -	\$ -
25	Materials and supplies		\$ -	\$ -	\$ -
26	Total Working Capital	SC5040-1	\$ 175,065	\$ 169,465	\$ 5,600
27	Accumulated deferred income taxes	SC5040-1	\$ (43,679)	\$ (42,281)	\$ (1,397)
28	Operating reserves		\$ -	\$ -	\$ -
29	Total Rate Base (sum L22:L28)		\$ 131,386	\$ 127,183	\$ 4,203

## Jiggetts Supplemental Direct Exhibit 4

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Supplemental Direct

SC5040-1 Calculation

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DUKE ENERGY CAROLINAS, LLC  
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 Amortize Grid costs  
 For the Test Period Ending December 31, 2022  
 (Dollars in thousands)

<u>Line No.</u>	<u>Description</u>	<u>Total SC Retail</u>
1	<u>Impact to income statement line items</u>	
2	Projected ending balance at March 31, 2024	\$ 186,007 [1]
3	Years to amortize	17
4	Impact to depreciation and amortization (L2 / L3)	\$ 10,942
5		
6	Statutory tax rate	24.9500% [2]
7	Impact to income taxes (-L4 x L6)	\$ (2,730)
8		
9	Impact to operating income (-L4 - L7)	\$ (8,212)
10		
11	<u>Impact to rate base line items</u>	
12	Regulatory asset for new deferral (L2)	\$ 186,007
13	Less first year of amortization (-L4)	(10,942)
14	Impact to working capital investment (L12 + L13)	\$ 175,065
15		
16	Deferred tax rate	24.9500% [2]
17	Impact to accumulated deferred income tax (-L14 x L16)	\$ (43,679)
18		
19	Impact to rate base (L14 + L17)	\$ 131,386

[1] SC5040-1 SC Retail Deferred Grid Regulatory Asset, Line 82

[2] SC1010-4 Calculation of Tax Rates, Line 10

DUKE ENERGY CAROLINAS, LLC

Docket No. 2023-388-E

Amortize Grid costs

For the Test Period Ending December 31, 2022

(Amounts in dollars)

									Pre Tax	Pre Tax
									LTD Rate	Equity Rate
									s	t
							Eff. Through 5/2019 [3]	2.48% [3]	7.20% [3]	
							Effective 6/2019 [3]	2.13% [3]	6.71% [3]	

**SC Retail Deferred Grid Return on Plant**

Line No.	Month	Plant Additions	Plant Balance [1]	Depreciation Expense	Accumulated Depreciation [2]	Net Plant e=b+d	Balance for Return f=(PMe+e)/2	Pre Tax Debt Return g=f*s/12	Pre Tax Equity Return h=f*t/12	Total Return on Investment i=g+h
1		a	b=PM+a	c	d=PM-c	e=b+d	f=(PMe+e)/2	g=f*s/12	h=f*t/12	i=g+h
2	Jan-2019	2,252,799	2,252,799	-	-	2,252,799	1,126,400	2,329	6,761	9,091
3	Feb-2019	2,035,443	4,288,243	4,272	(4,272)	4,283,971	3,268,385	6,759	19,619	26,378
4	Mar-2019	1,058,713	5,346,955	8,323	(12,595)	5,334,360	4,809,166	9,945	28,868	38,813
5	Apr-2019	3,074,844	8,421,800	12,013	(24,608)	8,397,191	6,865,776	14,198	41,213	55,411
6	May-2019	4,233,122	12,654,921	19,694	(44,302)	12,610,619	10,503,905	21,722	63,051	84,773
7	Jun-2019	2,209,422	14,864,343	27,228	(71,530)	14,792,813	13,701,716	24,310	76,602	100,913
8	Jul-2019	7,885,395	22,749,738	38,904	(110,434)	22,639,305	18,716,059	33,207	104,636	137,843
9	Aug-2019	3,478,853	26,228,592	86,838	(197,272)	26,031,320	24,335,312	43,177	136,052	179,229
10	Sep-2019	5,360,350	31,588,942	93,998	(291,270)	31,297,672	28,664,496	50,858	160,255	211,113
11	Oct-2019	3,831,228	35,420,170	137,973	(429,244)	34,990,927	33,144,299	58,806	185,300	244,107
12	Nov-2019	2,929,895	38,350,065	149,257	(578,500)	37,771,565	36,381,246	64,549	203,397	267,947
13	Dec-2019	27,885,536	66,235,601	158,799	(737,300)	65,498,301	51,634,933	91,613	288,676	380,290
14	Jan-2020	14,269,124	80,504,726	215,449	(952,749)	79,551,977	72,525,139	128,678	405,468	534,145
15	Feb-2020	(7,577,748)	72,926,978	255,221	(1,207,970)	71,719,008	75,635,492	134,196	422,857	557,053
16	Mar-2020	7,014,018	79,940,996	244,277	(1,452,247)	78,488,749	75,103,878	133,253	419,885	553,138
17	Apr-2020	5,487,311	85,428,306	288,461	(1,740,707)	83,687,599	81,088,174	143,871	453,341	597,212
18	May-2020	4,643,601	90,071,907	336,499	(2,077,207)	87,994,700	85,841,149	152,304	479,914	632,217
19	Jun-2020	2,473,147	92,545,054	345,481	(2,422,688)	90,122,365	89,058,533	158,012	497,901	655,913
20	Jul-2020	4,475,164	97,020,218	355,205	(2,777,893)	94,242,325	92,182,345	163,555	515,365	678,920
21	Aug-2020	3,346,061	100,366,279	366,638	(3,144,531)	97,221,747	95,732,036	169,853	535,211	705,063
22	Sep-2020	2,886,565	103,252,843	380,344	(3,524,876)	99,727,968	98,474,857	174,719	550,545	725,264
23	Oct-2020	4,201,239	107,454,083	390,281	(3,915,157)	103,538,926	101,633,447	180,323	568,204	748,527
24	Nov-2020	4,139,256	111,593,339	399,287	(4,314,444)	107,278,895	105,408,911	187,022	589,311	776,333
25	Dec-2020	8,761,939	120,355,278	407,431	(4,721,875)	115,633,403	111,456,149	197,751	623,120	820,871
26	Jan-2021	3,014,115	123,369,393	442,275	(5,164,150)	118,205,243	116,919,323	207,444	653,663	861,107
27	Feb-2021	9,371,262	132,740,655	448,830	(5,612,980)	127,127,676	122,666,459	217,641	685,793	903,434
28	Mar-2021	8,783,248	141,523,904	468,089	(6,081,069)	135,442,834	131,285,255	232,933	733,979	966,912
29	Apr-2021	3,975,521	145,499,425	520,080	(6,601,149)	138,898,276	137,170,555	243,375	766,882	1,010,257
30	May-2021	5,134,053	150,633,478	527,666	(7,128,815)	143,504,663	141,201,469	250,527	789,417	1,039,944
31	Jun-2021	2,259,596	152,893,073	546,296	(7,675,111)	145,217,962	144,361,312	256,133	807,083	1,063,216
32	Jul-2021	6,740,871	159,633,944	561,490	(8,236,601)	151,397,343	148,307,652	263,135	829,146	1,092,281
33	Aug-2021	2,849,922	162,483,866	577,389	(8,813,990)	153,669,876	152,533,609	270,633	852,772	1,123,405
34	Sep-2021	5,556,484	168,040,350	585,917	(9,399,907)	158,640,443	156,155,159	277,058	873,019	1,150,078
35	Oct-2021	6,388,526	174,428,876	593,208	(9,993,115)	164,435,761	161,538,102	286,609	903,114	1,189,723
36	Nov-2021	5,898,630	180,327,506	629,684	(10,622,799)	169,704,707	167,070,234	296,424	934,042	1,230,467
37	Dec-2021	6,187,419	186,514,925	647,424	(11,270,223)	175,244,702	172,474,705	306,013	964,257	1,270,271
38	Jan-2022	5,318,975	191,833,900	674,520	(11,944,743)	179,889,157	177,566,930	315,048	992,727	1,307,775
39	Feb-2022	9,173,725	201,007,625	685,633	(12,630,376)	188,377,249	184,133,203	326,698	1,029,437	1,356,135
40	Mar-2022	6,223,729	207,231,354	705,065	(13,335,441)	193,895,913	191,136,581	339,124	1,068,591	1,407,715

## DUKE ENERGY CAROLINAS, LLC

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Amortize Grid costs

For the Test Period Ending December 31, 2022

(Amounts in dollars)

Pre Tax  
LTD Rate  
 s

Pre Tax  
Equity Rate  
 t

Supplemental Direct  
 SC5040-2 Deferral  
 Page 2 of 4

Eff. Through 5/2019 [3]  
 Effective 6/2019 [3]

2.48% [3]  
 2.13% [3]

7.20% [3]  
 6.71% [3]

Line No.	Month	SC Retail										Total Return on Investment i=g+h
		Plant Additions a	Plant Balance b=PM+a	Depreciation Expense c	Accumulated Depreciation d=PM-c	Net Plant e=b+d	Balance for Return f=(PMe+e)/2	Pre Tax Debt Return g=f*s/12	Pre Tax Equity Return h=f*t/12			
41	Apr-2022	7,491,280	214,722,634	718,009	(14,053,450)	200,669,184	197,282,548	350,029	1,102,951			1,452,980
42	May-2022	7,397,255	222,119,889	732,452	(14,785,902)	207,333,987	204,001,586	361,950	1,140,515			1,502,465
43	Jun-2022	9,670,798	231,790,688	746,689	(15,532,591)	216,258,097	211,796,042	375,779	1,184,092			1,559,871
44	Jul-2022	7,095,590	238,886,278	780,203	(16,312,794)	222,573,484	219,415,790	389,298	1,226,692			1,615,990
45	Aug-2022	6,670,913	245,557,190	809,584	(17,122,378)	228,434,812	225,504,148	400,101	1,260,730			1,660,831
46	Sep-2022	15,270,578	260,827,768	827,543	(17,949,921)	242,877,847	235,656,330	418,113	1,317,488			1,735,601
47	Oct-2022	9,627,682	270,455,450	864,824	(18,814,745)	251,640,705	247,259,276	438,700	1,382,357			1,821,056
48	Nov-2022	9,339,766	279,795,217	884,703	(19,699,448)	260,095,768	255,868,237	453,974	1,430,487			1,884,461
49	Dec-2022	15,960,667	295,755,883	918,784	(20,618,233)	275,137,650	267,616,709	474,819	1,496,169			1,970,988
50	Jan-2023	3,960,703	299,716,586	957,172	(21,575,405)	278,141,181	276,639,416	490,827	1,546,613			2,037,440
51	Feb-2023	4,059,701	303,776,287	966,729	(22,542,134)	281,234,153	279,687,667	496,236	1,563,655			2,059,891
52	Mar-2023	18,383,194	322,159,481	975,151	(23,517,285)	298,642,196	289,938,175	514,423	1,620,962			2,135,385
53	Apr-2023	6,237,741	328,397,223	1,013,161	(24,530,446)	303,866,776	301,254,486	534,501	1,684,229			2,218,729
54	May-2023	12,048,258	340,445,481	1,026,833	(25,557,279)	314,888,202	309,377,489	548,913	1,729,642			2,278,555
55	Jun-2023	25,145,808	365,591,289	1,062,030	(26,619,309)	338,971,980	326,930,091	580,056	1,827,774			2,407,829
56	Jul-2023	6,548,469	372,139,758	1,117,711	(27,737,020)	344,402,738	341,687,359	606,239	1,910,277			2,516,516
57	Aug-2023	15,966,412	388,106,169	1,132,395	(28,869,415)	359,236,754	351,819,746	624,216	1,966,925			2,591,141
58	Sep-2023	12,845,835	400,952,004	1,184,275	(30,053,690)	370,898,313	365,067,534	647,721	2,040,989			2,688,710
59	Oct-2023	40,523,210	441,475,214	1,227,718	(31,281,409)	410,193,805	390,546,059	692,926	2,183,433			2,876,359
60	Nov-2023	8,816,903	450,292,117	1,305,397	(32,586,806)	417,705,311	413,949,558	734,450	2,314,275			3,048,725
61	Dec-2023	98,071,279	548,363,396	1,322,529	(33,909,335)	514,454,061	466,079,686	826,942	2,605,720			3,432,662
62	Jan-2024	-	548,363,396	1,503,973	(35,413,308)	512,950,088	513,702,075	911,436	2,871,963			3,783,399
63	Feb-2024	-	548,363,396	1,503,973	(36,917,281)	511,446,115	512,198,101	908,767	2,863,555			3,772,322
64	Mar-2024	-	548,363,396	1,503,973	(38,421,254)	509,942,142	510,694,128	906,099	2,855,146			3,761,246
65	Apr-2024	-	548,363,396	1,503,973	(39,925,227)	508,438,169	509,190,155	903,431	2,846,738			3,750,169
66	May-2024	-	548,363,396	1,503,973	(41,429,200)	506,934,196	507,686,182	900,762	2,838,330			3,739,092
67	Jun-2024	-	548,363,396	1,503,973	(42,933,173)	505,430,223	506,182,209	898,094	2,829,922			3,728,015
68	Jul-2024	-	548,363,396	1,503,973	(44,437,146)	503,926,250	504,678,236	895,425	2,821,513			3,716,939
69	Aug-2024											

[1] SC5040-3 SC Grid Plant in Service and Depreciation Expense Detailed Activity, Line 8

[2] SC5040-3 SC Grid Plant in Service and Depreciation Expense Detailed Activity, Line 15

[3] SC5040-5 Cost of debt and equity for deferral periods

DUKE ENERGY CAROLINAS, LLC

Docket No. 2023-388-E

Amortize Grid costs

For the Test Period Ending December 31, 2022

(Amounts in dollars)

Supplemental Direct  
 SC5040-2 Deferral  
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													After Tax	After Tax
													LTD Rate	Equity Rate
													u	v
									Eff. Through 5/2019	1.86% [8]	5.41% [8]			
									Effective 6/2019	1.60% [8]	5.04% [8]			

**SC Retail Deferred Grid Regulatory Asset**

Line No.	Month	Beginning Balance j=PMr	Return on Investment k	Depreciation Expense l	Property Tax m	Installation O&M n	Balance for Return o=j+(k+l+m+n)/2	After Tax Debt Return p=o*u/12	After Tax Equity Return q=o*v/12	Ending Balance r=j+k+l+m+n+p+q
42	Jan-2019	-	9,091	-	-	170,130	89,610	139	404	179,763
43	Feb-2019	179,763	26,378	4,272	-	89,989	240,083	373	1,082	301,856
44	Mar-2019	301,856	38,813	8,323	-	78,785	364,817	566	1,644	429,988
45	Apr-2019	429,988	55,411	12,013	-	176,713	552,057	857	2,487	677,469
46	May-2019	677,469	84,773	19,694	-	110,167	784,787	1,218	3,535	896,858
47	Jun-2019	896,858	100,913	27,228	-	207,338	1,064,597	1,418	4,467	1,238,221
48	Jul-2019	1,238,221	137,843	38,904	-	77,768	1,365,478	1,818	5,729	1,500,283
49	Aug-2019	1,500,283	179,229	86,838	-	78,761	1,672,697	2,227	7,018	1,854,357
50	Sep-2019	1,854,357	211,113	93,998	-	104,705	2,059,265	2,742	8,640	2,275,555
51	Oct-2019	2,275,555	244,107	137,973	-	212,362	2,572,776	3,426	10,795	2,884,218
52	Nov-2019	2,884,218	267,947	149,257	-	163,524	3,174,582	4,227	13,320	3,482,493
53	Dec-2019	3,482,493	380,290	158,799	-	293,707	3,898,891	5,192	16,359	4,336,839
54	Jan-2020	4,336,839	534,145	215,449	46,916	209,880	4,840,034	6,445	20,308	5,369,982
55	Feb-2020	5,369,982	557,053	255,221	46,916	166,629	5,882,891	7,834	24,684	6,428,318
56	Mar-2020	6,428,318	553,138	244,277	46,916	52,686	6,876,826	9,157	28,854	7,363,345
57	Apr-2020	7,363,345	597,212	288,461	46,916	103,142	7,881,210	10,494	33,068	8,442,638
58	May-2020	8,442,638	632,217	336,499	46,916	68,255	8,984,581	11,964	37,698	9,576,186
59	Jun-2020	9,576,186	655,913	345,481	46,916	112,422	10,156,552	13,524	42,615	10,793,058
60	Jul-2020	10,793,058	678,920	355,205	46,916	(83,858)	11,291,649	15,036	47,378	11,852,654
61	Aug-2020	11,852,654	705,063	366,638	46,916	89,786	12,456,856	16,587	52,267	13,129,911
62	Sep-2020	13,129,911	725,264	380,344	46,916	84,965	13,748,656	18,307	57,687	14,443,396
63	Oct-2020	14,443,396	748,527	390,281	46,916	148,820	15,110,667	20,121	63,402	15,861,462
64	Nov-2020	15,861,462	776,333	399,287	46,916	113,844	16,529,653	22,010	69,356	17,289,209
65	Dec-2020	17,289,209	820,871	407,431	46,916	76,113	17,964,874	23,922	75,378	18,739,839
66	Jan-2021	18,739,839	861,107	442,275	97,274	103,444	19,491,889	25,955	81,785	20,351,679
67	Feb-2021	20,351,679	903,434	448,830	97,274	123,852	21,138,374	28,147	88,693	22,041,910
68	Mar-2021	22,041,910	966,912	468,089	97,274	165,993	22,891,044	30,481	96,047	23,866,706
69	Apr-2021	23,866,706	1,010,257	520,080	97,274	245,443	24,803,232	33,027	104,070	25,876,857
70	May-2021	25,876,857	1,039,944	527,666	97,274	92,442	26,755,520	35,627	112,262	27,782,072
71	Jun-2021	27,782,072	1,063,216	546,296	97,274	318,102	28,794,516	38,342	120,817	29,966,120
72	Jul-2021	29,966,120	1,092,281	561,490	97,274	30,018	30,856,651	41,088	129,469	31,917,740
73	Aug-2021	31,917,740	1,123,405	577,389	97,274	154,220	32,893,884	43,801	138,017	34,051,846
74	Sep-2021	34,051,846	1,150,078	585,917	97,274	276,551	35,106,756	46,747	147,302	36,355,714
75	Oct-2021	36,355,714	1,189,723	593,208	97,274	266,514	37,429,074	49,840	157,046	38,709,319
76	Nov-2021	38,709,319	1,230,467	629,684	97,274	351,654	39,863,859	53,082	167,262	41,238,742
77	Dec-2021	41,238,742	1,270,271	647,424	97,274	338,546	42,415,500	56,479	177,968	43,826,705
78	Jan-2022	43,826,705	1,307,775	674,520	152,490	276,683	45,032,439	59,964	188,949	46,487,085
79	Feb-2022	46,487,085	1,356,135	685,633	152,490	303,761	47,736,094	63,564	200,293	49,248,961
80	Mar-2022	49,248,961	1,407,715	705,065	152,490	217,133	50,490,162	67,231	211,848	52,010,443
81	Apr-2022	52,010,443	1,452,980	718,009	152,490	304,862	53,324,613	71,006	223,741	54,933,531

## DUKE ENERGY CAROLINAS, LLC

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For the Test Period Ending December 31, 2022

(Amounts in dollars)

After Tax  
LTD Rate  
u

After Tax  
Equity Rate  
v

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Eff. Through 5/2019  
 Effective 6/2019

1.86% [8]  
 1.60% [8]

5.41% [8]  
 5.04% [8]

Line No.	Month	SC Retail										After Tax Debt Return <u>p=o*u/12</u>	After Tax Equity Return <u>q=o*v/12</u>	Ending Balance <u>r=j+k+l+m+n+p+q</u>
		Beginning Balance <u>j=PMr</u>	Return on Investment <u>k</u>	Depreciation Expense <u>l</u>	Property Tax <u>m</u>	Installation O&M <u>n</u>	Balance for Return <u>o=j+(k+l+m+n)/2</u>	After Tax Debt Return <u>p=o*u/12</u>	After Tax Equity Return <u>q=o*v/12</u>	Ending Balance <u>r=j+k+l+m+n+p+q</u>				
82	May-2022	54,933,531	1,502,465	732,452	152,490	278,866	56,266,667	74,923	236,086	57,910,812				
83	Jun-2022	57,910,812	1,559,871	746,689	152,490	485,844	59,383,259	79,073	249,162	61,183,942				
84	Jul-2022	61,183,942	1,615,990	780,203	152,490	273,297	62,594,931	83,350	262,638	64,351,909				
85	Aug-2022	64,351,909	1,660,831	809,584	152,490	219,157	65,772,940	87,582	275,972	67,557,525				
86	Sep-2022	67,557,525	1,735,601	827,543	152,490	300,665	69,065,674	91,966	289,788	70,955,578				
87	Oct-2022	70,955,578	1,821,056	864,824	152,490	227,190	72,488,358	96,524	304,149	74,421,811				
88	Nov-2022	74,421,811	1,884,461	884,703	152,490	399,809	76,082,543	101,310	319,230	78,163,814				
89	Dec-2022	78,163,814	1,970,988	918,784	152,490	694,502	80,032,196	106,569	335,802	82,342,948				
90	Jan-2023	82,342,948	2,037,440	957,172	252,177	312,185	84,122,435	112,015	352,964	86,366,901				
91	Feb-2023	86,366,901	2,059,891	966,729	252,177	308,086	88,160,342	117,392	369,906	90,441,081				
92	Mar-2023	90,441,081	2,135,385	975,151	252,177	469,501	92,357,188	122,980	387,515	94,783,791				
93	Apr-2023	94,783,791	2,218,729	1,013,161	252,177	437,020	96,744,335	128,822	405,923	99,239,624				
94	May-2023	99,239,624	2,278,555	1,026,833	252,177	599,547	101,318,180	134,913	425,114	103,956,762				
95	Jun-2023	103,956,762	2,407,829	1,062,030	252,177	773,971	106,204,765	141,420	445,617	109,039,806				
96	Jul-2023	109,039,806	2,516,516	1,117,711	252,177	(27,365)	110,969,325	147,764	465,609	113,512,217				
97	Aug-2023	113,512,217	2,591,141	1,132,395	252,177	344,025	115,672,086	154,026	485,341	118,471,322				
98	Sep-2023	118,471,322	2,688,710	1,184,275	252,177		120,533,903	160,500	505,740	123,262,724				
99	Oct-2023	123,262,724	2,876,359	1,227,718	252,177		125,440,851	167,034	526,329	128,312,341				
100	Nov-2023	128,312,341	3,048,725	1,305,397	252,177		130,615,491	173,924	548,041	133,640,605				
101	Dec-2023	133,640,605	3,432,662	1,322,529	252,177		136,144,289	181,286	571,239	139,400,498				
102	Jan-2024	139,400,498	3,783,399	1,503,973	507,583		142,297,975	189,480	597,059	145,981,992				
103	Feb-2024	145,981,992	3,772,322	1,503,973	507,583		148,873,931	198,237	624,650	152,588,757				
104	Mar-2024	152,588,757	3,761,246	1,503,973	507,583		155,475,158	207,027	652,348	159,220,934				
105	Apr-2024	159,220,934	3,750,169	1,503,973	507,583		162,101,797	215,851	680,152	165,878,662				
106	May-2024	165,878,662	3,739,092	1,503,973	507,583		168,753,986	224,709	708,064	172,562,082				
107	Jun-2024	172,562,082	3,728,015	1,503,973	507,583		175,431,868	233,601	736,083	179,271,338				
108	Jul-2024	179,271,338	3,716,939	1,503,973	507,583		182,135,585	242,527	764,211	186,006,570				
109	Aug-2024	186,006,570					186,006,570							
110			\$ 98,440,651		\$ 44,437,146		\$ 10,139,360		\$ 4,918,789		\$ 15,498,475		\$ 186,006,571	

[4] SC5040-2 SC Retail Deferred Grid Return on Plant, Page 1, column i

[5] SC5040-3 SC Grid Plant in Service and Depreciation Expense Detailed Activity, Line 14

[6] SC5040-3 SC Grid Plant in Service and Depreciation Expense Detailed Activity, Line 22

[7] SC5040-4 SC Grid installation O&amp;M Detailed Activity, Line 7

[8] SC5040-5 Cost of debt and equity for deferral periods

DUKE ENERGY CAROLINAS, LLC  
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SC Grid Plant in Service and Depreciation Expense Detailed Activities

Line No.	Description	1 2019 Jan-2019	2 2019 Feb-2019	3 2019 Mar-2019	4 2019 Apr-2019	5 2019 May-2019	6 2019 Jun-2019	7 2019 Jul-2019	8 2019 Aug-2019	9 2019 Sep-2019	10 2019 Oct-2019	11 2019 Nov-2019	12 2019 Dec-2019	1 2020 Jan-2020	
1															
2	<b>Actuals [1]</b>														
3	<u>Sum of SC Retail Plant in Service (L90 through L125)</u>														
4	Transmission plant in service	\$ 1,448,594	\$ 1,648,274	\$ 131,583	\$ 2,216,998	\$ 1,764,336	\$ 583,269	\$ 2,762,063	\$ 2,023,453	\$ 1,496,769	\$ 131,618	\$ 286,695	\$ 8,840,556	\$ 1,062,202	
5	Distribution plant in service	740,531	290,004	638,940	274,449	2,372,631	1,003,407	2,598,133	893,755	1,390,528	3,187,368	1,958,391	17,254,876	11,314,460	
6	General plant in service	63,732	97,165	288,190	583,397	96,097	156,864	373,276	564,697	203,230	271,566	684,363	1,333,617	253,037	
7	Intangible plant in service	(59)	-	-	-	59	465,882	2,151,923	(3,051)	2,269,823	240,677	446	456,487	1,639,425	
8	Total SC Retail Plant in Service (Sum L4:L7)	\$ 2,252,799	\$ 2,035,443	\$ 1,058,713	\$ 3,074,844	\$ 4,233,122	\$ 2,209,422	\$ 7,885,395	\$ 3,478,853	\$ 5,360,350	\$ 3,831,228	\$ 2,929,895	\$ 27,885,536	\$ 14,269,124	
9															
10	<u>Sum of SC Retail Depreciation Expense (L128 through L155)</u>														
11	Transmission depreciation expense	\$ -	\$ 2,577	\$ 5,336	\$ 5,570	\$ 9,503	\$ 12,460	\$ 13,446	\$ 18,104	\$ 21,615	\$ 23,755	\$ 23,988	\$ 24,486	\$ 36,782	
12	Distribution depreciation expense	-	1,164	1,647	2,702	3,162	6,947	8,568	12,868	14,284	16,605	21,756	24,969	53,214	
13	General depreciation expense	-	531	1,341	3,742	7,030	7,821	9,125	12,235	14,521	16,203	18,091	23,916	34,763	
14	Intangible depreciation expense	-	(1)	(1)	(1)	(1)	-	7,765	43,630	43,579	81,410	85,421	85,428	90,690	
15	Total SC Retail Depreciation Expense (Sum L11:L14)	\$ -	\$ 4,272	\$ 8,323	\$ 12,013	\$ 19,694	\$ 27,228	\$ 38,904	\$ 86,838	\$ 93,998	\$ 137,973	\$ 149,257	\$ 158,799	\$ 215,449	
16															
17	<u>Property taxes</u>														
18	Property tax rate - Combined [3]	0.62%	0.62%	0.62%	0.62%	0.62%	0.62%	0.62%	0.62%	0.62%	0.62%	0.62%	0.62%	0.62%	
19	Property tax rate - SC [3]	1.19%	1.19%	1.19%	1.19%	1.19%	1.19%	1.19%	1.19%	1.19%	1.19%	1.19%	1.19%	1.19%	
20	Transmission property tax expense (PY TTD L4 x L18/12)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 12,073	
21	Distribution property tax expense (PY TTD L5 x L19/12)	-	-	-	-	-	-	-	-	-	-	-	-	32,403	
22	General property tax expense (PY TTD L6 x L18/12)	-	-	-	-	-	-	-	-	-	-	-	-	2,440	
23	Intangible property tax expense (N/A)	-	-	-	-	-	-	-	-	-	-	-	-	-	
24	Total SC Retail Property Tax (Sum L20:L23)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 46,916	
25															
26															
27															
28	<u>SC Retail Plant in Service Additions</u>														
	<u>Depreciation Group</u>	Jan-2019	Feb-2019	Mar-2019	Apr-2019	May-2019	Jun-2019	Jul-2019	Aug-2019	Sep-2019	Oct-2019	Nov-2019	Dec-2019	Jan-2020	
90	A INT 303 Software-20017	(59)	-	-	-	59	465,882	2,151,923	(3,051)	2,269,823	240,677	446	456,487	446,142	
91	A INT 30310 Software 10YR-20017	-	-	-	-	-	-	-	-	-	-	-	-	1,193,283	
92	D DIS 360 SC-20017	-	-	-	-	-	-	-	-	-	-	-	-	-	
93	D DIS 361 SC-20017	-	-	-	-	-	-	-	-	-	-	-	1,017,202	12,921,360	6,031,278
94	D DIS 362 SC-20017	1,554	41,269	29,763	44,513	64,126	13,132	440,076	(19,894)	173,853	5,303	281,312	918,561	181,064	
95	D DIS 364 SC-20017	92,579	50,864	64,771	43,344	109,018	30,735	59,703	16,367	30,246	169,705	24,381	616,075	538,804	
96	D DIS 365 SC-20017	136,285	153,082	277,116	142,362	536,382	93,307	416,317	74,328	374,578	1,107,042	355,902	1,336,729	2,374,534	
97	D DIS 366 SC-20017	109,432	2,392	(3,174)	1,694	297,791	107,459	130,278	60,487	40,545	28,082	(850)	(48,701)	11,151	
98	D DIS 367 SC-20017	314,397	9,603	225,088	6,505	1,147,815	691,619	1,139,366	653,529	649,177	1,704,822	182,102	1,253,634	1,895,674	
99	D DIS 368 SC-20017	62,113	13,355	36,764	24,341	144,040	62,663	78,596	55,343	51,193	80,909	14,457	119,054	193,409	
100	D DIS 369 SC-20017	20,617	16,581	7,345	9,971	68,936	3,962	296,066	50,217	67,433	44,150	17,100	(7,529)	59,067	
101	D DIS 370 SC-20017	-	-	-	-	-	-	-	-	-	-	-	-	-	
102	D DIS 371 SC-20017	3,555	2,859	1,266	1,719	4,523	531	37,732	3,378	3,503	10,178	1,567	(104)	1,899	
103	D DIS 373 SC-20017	-	-	-	-	-	-	-	-	-	2,476	39	981	761	
104	N DIS 360 SC-20017	-	-	-	-	-	-	-	-	-	34,701	65,179	144,817	26,822	
105	D GEN 390-20017	-	-	-	329,721	1,644	573	4	428,387	1,941	66,434	(21,591)	43,618	533	
106	D GEN 391 EDP-20017	(16)	-	-	138,560	-	-	(266)	-	-	-	-	15,758	32,393	
107	D GEN 391-20017	-	-	-	-	-	-	-	-	-	-	-	15	560	
108	D GEN 395-20017	-	-	-	-	-	-	-	-	-	-	-	-	-	
109	D GEN 397-20017	63,749	97,165	288,190	115,117	94,452	156,292	373,539	136,310	201,289	205,131	705,954	1,274,226	219,552	
110	D GEN 397-20093	-	-	-	-	-	-	-	-	-	-	-	-	-	
111	D TRN 350-20017	(1)	-	-	-	-	-	-	-	-	-	-	-	-	
112	D TRN 352-20017	1,403	43,228	1,496	48,261	7,702	21	31,194	534,280	11,761	1,543	306	3,741,356	(274,485)	
113	D TRN 353-20017	68,428	153,017	98,788	2,081,394	155,699	128,971	981,711	1,						

DUKE ENERGY CAROLINAS, LLC

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Amortize Grid costs

For the Test Period Ending December 31, 2022

Line

No. SC Retail Plant in Service Additions ContinuedDepreciation Group

		Actuals [1]												
		Jan-2019	Feb-2019	Mar-2019	Apr-2019	May-2019	Jun-2019	Jul-2019	Aug-2019	Sep-2019	Oct-2019	Nov-2019	Dec-2019	Jan-2020
116	D TRN 355-20017	700,002	(13,720)	17,906	62,814	(871)	94	723,891	1,398	12,020	(16,101)	881	(1,374)	1,603
117	D TRN 356-20017	671,137	1,465,693	13,355	22,177	1,601,716	454,183	460,744	48,188	(4,097)	(4,250)	4,546	519,008	934,542
118	D TRN 357-20017	-	-	-	-	-	-	-	-	-	-	-	-	
119	D TRN 358-20017	-	-	-	-	-	-	268,810	135	1,800	(6,005)	328	5	-
120	N TRN 350-20017	(0)	-	-	-	-	-	-	-	-	-	-	15,019	475
121	Distribution to Plant in Service	-	-	-	-	-	-	-	-	-	-	-	-	
122	Transmission to Plant in Service	-	-	-	-	-	-	-	-	-	-	-	-	
123	Advanced DMS Plant in Service	-	-	-	-	-	-	-	-	-	-	-	-	
124	Communications Plant in Service	-	-	-	-	-	-	-	-	-	-	-	-	
125	Enterprise Applications Plant in Service	-	-	-	-	-	-	-	-	-	-	-	-	

126 SC Retail Depreciation ExpenseDepreciation Group

		Actuals [1]												
		Jan-2019	Feb-2019	Mar-2019	Apr-2019	May-2019	Jun-2019	Jul-2019	Aug-2019	Sep-2019	Oct-2019	Nov-2019	Dec-2019	Jan-2020
127	A INT 303 Software-20017	-	(1)	(1)	(1)	(1)	-	7,765	43,630	43,579	81,410	85,421	85,428	90,690
129	A INT 30310 Software 10YR-20017	-	-	-	-	-	-	-	-	-	-	-	-	
130	D DIS 360 SC-20017	-	-	-	-	-	-	-	-	-	-	-	-	
131	D DIS 361 SC-20017	-	-	-	-	-	-	-	-	-	-	-	1,644	
132	D DIS 362 SC-20017	-	3	92	157	253	391	419	1,369	1,326	1,702	1,713	2,320	4,303
133	D DIS 364 SC-20017	-	153	237	344	415	595	646	744	771	821	1,101	1,141	2,158
134	D DIS 365 SC-20017	-	220	468	916	1,146	2,013	2,164	2,837	2,957	3,563	5,352	5,928	8,089
135	D DIS 366 SC-20017	-	143	146	142	144	534	675	845	924	977	1,014	1,013	949
136	D DIS 367 SC-20017	-	524	540	915	926	2,839	3,992	5,891	6,980	8,062	10,903	11,207	13,296
137	D DIS 368 SC-20017	-	92	111	166	201	414	506	622	704	779	899	920	1,096
138	D DIS 369 SC-20017	-	23	41	49	60	136	140	466	521	595	644	663	654
139	D DIS 370 SC-20017	-	-	-	-	-	-	-	-	-	-	-	-	
140	D DIS 371 SC-20017	-	6	12	14	17	25	26	94	100	106	125	127	127
141	D DIS 373 SC-20017	-	-	-	-	-	-	-	-	-	-	6	6	8
142	N DIS 360 SC-20017	-	-	-	-	-	-	-	-	-	-	-	-	
143	D GEN 390-20017	-	-	-	-	885	889	891	891	2,040	2,045	2,224	2,166	2,279
144	D GEN 391 EDP-20017	-	(0)	(0)	(0)	1,443	1,443	1,443	1,440	1,440	1,440	1,440	1,440	1,602
145	D GEN 391-20017	-	-	-	-	-	-	-	-	-	-	-	0	
146	D GEN 395-20017	-	-	-	-	-	-	-	-	-	-	-	-	
147	D GEN 397-20017	-	531	1,341	3,743	4,702	5,489	6,791	9,904	11,040	12,718	14,427	20,310	30,881
148	D GEN 397-20093	-	-	-	-	-	-	-	-	-	-	-	-	
149	D TRN 350-20017	-	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	
150	D TRN 352-20017	-	2	73	75	154	167	167	218	1,090	1,110	1,112	1,113	6,715
151	D TRN 353-20017	-	121	393	568	4,263	4,539	4,768	6,511	9,064	9,187	9,453	9,899	16,740
152	D TRN 353-20093	-	-	-	-	-	-	-	-	-	-	-	-	
153	D TRN 354-20017	-	11	11	11	14	14	14	431	432	2,412	2,422	2,463	2,289
154	D TRN 355-20017	-	1,324	1,298	1,332	1,451	1,449	1,449	2,819	2,821	2,844	2,814	2,815	2,615
155	D TRN 356-20017	-	1,119	3,561	3,584	3,621	6,290	7,047	7,815	7,895	7,888	7,881	7,889	8,138
156	D TRN 357-20017	-	-	-	-	-	-	-	-	-	-	-	-	
157	D TRN 358-20017	-	-	-	-	-	-	311	312	314	307	307	285	
158	N TRN 350-20017	-	-	-	-	-	-	-	-	-	-	-	-	
159	Distribution to Plant in Service	-	-	-	-	-	-	-	-	-	-	-	-	
160	Transmission to Plant in Service	-	-	-	-	-	-	-	-	-	-	-	-	
161	Advanced DMS Plant in Service	-	-	-	-	-	-	-	-	-	-	-	-	
162	Communications Plant in Service	-	-	-	-	-	-	-	-	-	-	-	-	
163	Enterprise Applications Plant in Service	-	-	-	-	-	-	-	-	-	-	-	-	

[1] Grid actual plant additions per Finance

[2] Grid forecasted plant additions per Financial Planning

[3] SC5040-6 Effective property tax rates

[4] SC5040-7 Cost of Service Allocations Factors

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SC Grid Plant in Service and Depreciation Expense Detailed Activity

Line No.	Description	2020 Feb-2020	2020 Mar-2020	2020 Apr-2020	2020 May-2020	2020 Jun-2020	2020 Jul-2020	2020 Aug-2020	2020 Sep-2020	2020 Oct-2020	2020 Nov-2020	2020 Dec-2020	2021 Jan-2021	
1	<b>Actuals [1]</b>													
2	<b>Sum of SC Retail Plant in Service (L90 through L125)</b>													
3	Transmission plant in service	\$ 3,462,086	\$ 411,422	\$ (3,647,298)	\$ 1,024,066	\$ 73,014	\$ 20,955	\$ 297,366	\$ 14,504	\$ 1,699,472	\$ 481,485	\$ 1,463,870	\$ 1,249,823	
4	Distribution plant in service	(11,223,747)	3,906,639	3,579,615	3,416,931	1,548,644	4,204,264	1,931,556	2,367,700	2,297,898	3,269,308	4,381,823	1,539,858	
5	General plant in service	165,814	956,112	5,531,065	202,603	847,841	172,698	899,404	268,908	203,870	388,415	2,916,246	224,476	
6	Intangible plant in service	18,099	1,739,845	23,929	0	3,648	77,248	217,735	235,452	-	48	-	(42)	
7	Total SC Retail Plant in Service (Sum L4:L7)	\$ (7,577,748)	\$ 7,014,018	\$ 5,487,311	\$ 4,643,601	\$ 2,473,147	\$ 4,475,164	\$ 3,346,061	\$ 2,886,565	\$ 4,201,239	\$ 4,139,256	\$ 8,761,939	\$ 3,014,115	
8														
9	<b>Sum of SC Retail Depreciation Expense (L128 through L155)</b>													
10	Transmission depreciation expense	\$ 38,604	\$ 44,447	\$ 45,167	\$ 39,446	\$ 41,264	\$ 41,393	\$ 41,427	\$ 41,918	\$ 41,965	\$ 45,610	\$ 46,030	\$ 49,457	
11	Distribution depreciation expense	71,612	53,253	59,774	65,591	71,067	73,536	82,208	85,322	89,045	92,708	97,190	103,590	
12	General depreciation expense	36,934	38,316	46,262	93,805	95,494	102,559	103,998	111,493	113,735	115,434	118,674	143,946	
13	Intangible depreciation expense	108,070	108,260	137,258	137,657	137,657	137,718	139,005	141,611	145,535	145,535	145,536	145,282	
14	Total SC Retail Depreciation Expense (Sum L11:L14)	\$ 255,221	\$ 244,277	\$ 288,461	\$ 336,499	\$ 345,481	\$ 355,205	\$ 366,638	\$ 380,344	\$ 390,281	\$ 399,287	\$ 407,431	\$ 442,275	
15														
16	<b>Property taxes</b>													
17	Property tax rate - Combined [3]	0.62%	0.62%	0.62%	0.62%	0.62%	0.62%	0.62%	0.62%	0.62%	0.62%	0.62%	0.62%	0.66%
18	Property tax rate - SC [3]	1.19%	1.19%	1.19%	1.19%	1.19%	1.19%	1.19%	1.19%	1.19%	1.19%	1.19%	1.19%	1.34%
19	Transmission property tax expense (PY TTD L4 x L18/12)	\$ 12,073	\$ 12,073	\$ 12,073	\$ 12,073	\$ 12,073	\$ 12,073	\$ 12,073	\$ 12,073	\$ 12,073	\$ 12,073	\$ 12,073	\$ 12,073	\$ 16,434
20	Distribution property tax expense (PY TTD L5 x L19/12)	32,403	32,403	32,403	32,403	32,403	32,403	32,403	32,403	32,403	32,403	32,403	32,403	71,143
21	General property tax expense (PY TTD L6 x L18/12)	2,440	2,440	2,440	2,440	2,440	2,440	2,440	2,440	2,440	2,440	2,440	2,440	9,697
22	Intangible property tax expense (N/A)	-	-	-	-	-	-	-	-	-	-	-	-	-
23	Total SC Retail Property Tax (Sum L20:L23)	\$ 46,916	\$ 46,916	\$ 46,916	\$ 46,916	\$ 46,916	\$ 46,916	\$ 46,916	\$ 46,916	\$ 46,916	\$ 46,916	\$ 46,916	\$ 46,916	97,274
24														
25	<b>SC Retail Plant in Service Additions</b>													
26	<b>Depreciation Group</b>													
27	<b>Actuals [1]</b>													
28	A INT 303 Software-20017	4,742	1,739,845	23,929	0	3,648	77,248	95,000	235,452	-	48	-	(42)	
90	A INT 30310 Software 10YR-20017	13,358	-	-	-	-	-	122,735	-	-	-	-	-	
91	D DIS 360 SC-20017	-	-	-	-	-	-	-	-	-	-	-	-	
92	D DIS 361 SC-20017	(12,823,065)	221,851	35,861	(754)	(2,372)	11,816	-	-	-	-	-	-	
93	D DIS 362 SC-20017	36,442	423,349	256,290	581,102	(73,958)	3,801,115	81,623	52,998	4,287	47,168	11,736	(3,901)	
94	D DIS 364 SC-20017	200,240	205,525	263,743	199,209	148,104	(120,223)	136,499	152,790	84,462	88,696	382,060	122,101	
95	D DIS 365 SC-20017	788,858	1,607,712	2,381,964	1,732,058	878,933	715,098	1,384,478	1,454,141	730,488	536,090	1,719,299	804,934	
96	D DIS 366 SC-20017	2,845	2,605	5,273	643,596	66,167	26,718	12,165	301	65,246	2,363,515	114,606	(189)	
97	D DIS 367 SC-20017	353,524	1,245,883	278,643	76,098	249,512	(319,318)	172,665	250,271	1,077,151	82,814	1,205,929	129,545	
98	D DIS 368 SC-20017	48,820	100,521	306,081	82,465	145,028	2,814	99,433	354,957	292,529	90,280	304,695	452,530	
99	D DIS 369 SC-20017	14,351	74,497	(3,271)	843	205,501	(14,355)	20,940	58,176	19,539	2,925	330,361	4,854	
100	D DIS 370 SC-20017	-	-	-	-	-	-	-	-	-	-	-	5,450	
101	D DIS 371 SC-20017	3,374	58	269	1,374	13,734	529	679	12	(32)	227	(540)	199	
102	D DIS 373 SC-20017	14	22	20	2	(0)	(209)	(24)	146	-	-	(3,073)	-	
103	N DIS 360 SC-20017	150,848	24,616	54,741	100,940	(82,006)	100,279	23,099	43,909	24,228	57,594	316,751	24,335	
104	D GEN 390-20017	16	3,831	(181,293)	-	-	-	-	-	-	-	-	-	
105	D GEN 391 EDP-20017	-	-	205,032	-	-	-	-	399	-	1,620	1,995	-	
106	D GEN 391-20017	-	-	-	-	(15)	-	-	-	-	-	-	-	
107	D GEN 395-20017	-	-	-	-	-	-	-	-	-	-	-	-	
108	D GEN 397-20017	165,798	952,281	5,507,325	202,603	847,856	172,698	899,404	267,497	203,870	385,865	2,911,657	223,819	
109	D GEN 397-20093	-	-	-	-	-	-	-	1,013	-	930	2,593	658	
110	D TRN 350-20017	-	-	-	-	-	-	-	-	-	-	-	-	
111	D TRN 352-20017	2,073,272	67,592	22,432	(1,044)	36,836	563	44,366	1,617	(3,642,261)	-	2,867	(2,405)	
112	D TRN 353-20017	528,666	317,22											

DUKE ENERGY CAROLINAS, LLC

Docket No. 2023-388-E

Amortize Grid costs

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Line

No. SC Retail Plant in Service Additions ContinuedDepreciation Group

		Actuals [1]											
		Feb-2020	Mar-2020	Apr-2020	May-2020	Jun-2020	Jul-2020	Aug-2020	Sep-2020	Oct-2020	Nov-2020	Dec-2020	Jan-2021
116	D TRN 355-20017	376,933	7,439	(3,726)	6,666	36	60,792	30,010	8,302	967,847	20,104	(5,209)	4,858
117	D TRN 356-20017	478,147	19,472	(2,454,257)	9,198	10,078	19,783	102,872	(76,777)	1,275	(358,469)	1,366	1,207
118	D TRN 357-20017	-	-	-	-	-	-	-	-	-	2,443	-	-
119	D TRN 358-20017	114	-	-	-	-	-	-	-	-	763,731	315,613	(95,028)
120	N TRN 350-20017	92	-	-	-	-	1,915	-	-	-	-	(14,530)	-
121	Distribution to Plant in Service	-	-	-	-	-	-	-	-	-	-	-	-
122	Transmission to Plant in Service	-	-	-	-	-	-	-	-	-	-	-	-
123	Advanced DMS Plant in Service	-	-	-	-	-	-	-	-	-	-	-	-
124	Communications Plant in Service	-	-	-	-	-	-	-	-	-	-	-	-
125	Enterprise Applications Plant in Service	-	-	-	-	-	-	-	-	-	-	-	-

126 SC Retail Depreciation ExpenseDepreciation Group

		Actuals [1]											
		Feb-2020	Mar-2020	Apr-2020	May-2020	Jun-2020	Jul-2020	Aug-2020	Sep-2020	Oct-2020	Nov-2020	Dec-2020	Jan-2021
127	A INT 303 Software-20017	98,126	98,205	127,203	127,601	127,601	127,662	128,950	130,533	134,457	134,457	134,458	134,223
129	A INT 30310 Software 10YR-20017	9,944	10,055	10,055	10,055	10,055	10,055	10,055	11,078	11,078	11,078	11,078	11,059
130	D DIS 360 SC-20017	-	-	-	-	-	-	-	-	-	-	-	-
131	D DIS 361 SC-20017	32,285	11,554	11,913	11,971	11,969	11,966	11,985	11,985	11,985	11,985	11,985	11,985
132	D DIS 362 SC-20017	4,694	4,772	5,686	6,239	7,493	7,334	15,538	15,714	15,828	15,838	15,939	15,965
133	D DIS 364 SC-20017	3,047	3,377	3,716	4,152	4,480	4,725	4,526	4,751	5,004	5,143	5,289	5,920
134	D DIS 365 SC-20017	11,928	13,203	15,802	19,653	22,453	23,874	25,030	27,268	29,619	30,800	31,667	34,446
135	D DIS 366 SC-20017	964	967	971	978	1,820	1,906	1,941	1,957	1,958	2,043	5,135	5,285
136	D DIS 367 SC-20017	16,456	17,045	19,121	19,586	19,712	20,128	19,596	19,884	20,301	22,096	22,234	24,244
137	D DIS 368 SC-20017	1,381	1,453	1,601	2,053	2,174	2,388	2,392	2,539	3,063	3,494	3,627	4,077
138	D DIS 369 SC-20017	719	735	817	813	814	1,040	1,025	1,048	1,112	1,133	1,136	1,500
139	D DIS 370 SC-20017	-	-	-	-	-	-	-	-	-	-	-	-
140	D DIS 371 SC-20017	131	137	137	137	140	165	165	167	167	167	167	166
141	D DIS 373 SC-20017	10	10	10	10	10	10	9	9	9	9	9	3
142	N DIS 360 SC-20017	-	-	-	-	-	-	-	-	-	-	-	-
143	D GEN 390-20017	2,281	2,281	2,291	1,805	1,805	1,805	1,805	1,805	1,805	1,805	1,805	1,817
144	D GEN 391 EDP-20017	1,939	1,939	1,939	4,075	4,075	4,075	4,075	4,075	4,079	4,079	4,096	4,145
145	D GEN 391-20017	3	3	3	3	3	3	3	3	3	3	3	3
146	D GEN 395-20017	-	-	-	-	-	-	-	-	-	-	-	-
147	D GEN 397-20017	32,711	34,092	42,028	87,922	89,611	96,676	98,115	105,610	107,840	109,538	112,754	137,943
148	D GEN 397-20093	-	-	-	-	-	-	-	-	8	8	16	38
149	D TRN 350-20017	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
150	D TRN 352-20017	6,267	9,653	9,764	9,801	9,799	9,859	9,860	9,932	9,935	3,986	3,986	4,073
151	D TRN 353-20017	17,301	18,239	18,802	19,029	20,821	20,893	20,759	20,861	21,066	28,825	28,908	31,616
152	D TRN 353-20093	146	154	154	154	154	154	155	155	156	156	156	159
153	D TRN 354-20017	2,291	2,292	2,291	405	405	383	402	490	441	443	452	458
154	D TRN 355-20017	2,618	3,331	3,345	3,338	3,351	3,351	3,466	3,522	3,538	5,369	5,407	5,508
155	D TRN 356-20017	9,696	10,493	10,525	6,435	6,450	6,467	6,500	6,671	6,543	6,546	5,948	6,073
156	D TRN 357-20017	-	-	-	-	-	-	-	-	-	-	2	2
157	D TRN 358-20017	285	286	286	286	286	286	286	286	286	286	1,170	1,567
158	N TRN 350-20017	-	-	-	-	-	-	-	-	-	-	-	-
159	Distribution to Plant in Service	-	-	-	-	-	-	-	-	-	-	-	-
160	Transmission to Plant in Service	-	-	-	-	-	-	-	-	-	-	-	-
161	Advanced DMS Plant in Service	-	-	-	-	-	-	-	-	-	-	-	-
162	Communications Plant in Service	-	-	-	-	-	-	-	-	-	-	-	-
163	Enterprise Applications Plant in Service	-	-	-	-	-	-	-	-	-	-	-	-

[1] Grid actual plant additions per Finance

[2] Grid forecasted plant additions per Financial Planning

[3] SC5040-6 Effective property tax rates

[4] SC5040-7 Cost of Service Allocations Factors

DUKE ENERGY CAROLINAS, LLC  
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SC Grid Plant in Service and Depreciation Expense Detailed Activity

Line No.	Description	2021 Feb-2021	2021 Mar-2021	2021 Apr-2021	2021 May-2021	2021 Jun-2021	2021 Jul-2021	2021 Aug-2021	2021 Sep-2021	2021 Oct-2021	2021 Nov-2021	2021 Dec-2021	2022 Jan-2022	
2	<b>Actuals [1]</b>													
3	<b>Sum of SC Retail Plant in Service (L90 through L125)</b>													
4	Transmission plant in service	\$ 3,029,959	\$ 1,143,497	\$ 2,039,291	\$ 2,264,889	\$ 58,353	\$ 3,126,081	\$ 407,109	\$ 1,377,847	\$ 71,089	\$ 2,526,580	\$ 2,161,392	\$ 1,437,219	
5	Distribution plant in service	5,754,894	4,969,330	1,709,923	2,298,007	1,500,224	3,049,278	2,040,725	4,649,269	4,304,403	2,609,960	3,600,642	3,508,496	
6	General plant in service	586,409	282,464	196,326	425,745	(128,729)	566,280	308,402	(472,450)	669,661	548,086	247,158	372,606	
7	Intangible plant in service	-	2,387,958	29,981	145,412	829,748	(769)	93,685	1,818	1,343,373	214,004	178,226	654	
8	Total SC Retail Plant in Service (Sum L4:L7)	\$ 9,371,262	\$ 8,783,248	\$ 3,975,521	\$ 5,134,053	\$ 2,259,596	\$ 6,740,871	\$ 2,849,922	\$ 5,556,484	\$ 6,388,526	\$ 5,898,630	\$ 6,187,419	\$ 5,318,975	
9														
10	<b>Sum of SC Retail Depreciation Expense (L128 through L155)</b>													
11	Transmission depreciation expense	\$ 51,735	\$ 57,123	\$ 59,053	\$ 62,571	\$ 72,605	\$ 72,708	\$ 78,897	\$ 79,698	\$ 82,381	\$ 82,632	\$ 87,743	\$ 93,254	
12	Distribution depreciation expense	105,997	114,982	122,837	125,380	128,110	130,459	135,462	139,057	147,573	155,188	159,683	166,016	
13	General depreciation expense	145,817	150,704	153,109	154,135	157,578	156,491	161,210	163,780	159,843	166,063	170,630	174,923	
14	Intangible depreciation expense	145,281	145,281	185,080	185,580	188,003	201,833	201,820	203,381	203,411	225,801	229,368	240,327	
15	Total SC Retail Depreciation Expense (Sum L11:L14)	\$ 448,830	\$ 468,089	\$ 520,080	\$ 527,666	\$ 546,296	\$ 561,490	\$ 577,389	\$ 585,917	\$ 593,208	\$ 629,684	\$ 647,424	\$ 674,520	
16														
17	<b>Property taxes</b>													
18	Property tax rate - Combined [3]	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	
19	Property tax rate - SC [3]	1.34%	1.34%	1.34%	1.34%	1.34%	1.34%	1.34%	1.34%	1.34%	1.34%	1.34%	1.34%	
20	Transmission property tax expense (PY TTD L4 x L18/12)	\$ 16,434	\$ 16,434	\$ 16,434	\$ 16,434	\$ 16,434	\$ 16,434	\$ 16,434	\$ 16,434	\$ 16,434	\$ 16,434	\$ 16,434	\$ 27,201	
21	Distribution property tax expense (PY TTD L5 x L19/12)	71,143	71,143	71,143	71,143	71,143	71,143	71,143	71,143	71,143	71,143	71,143	113,682	
22	General property tax expense (PY TTD L6 x L18/12)	9,697	9,697	9,697	9,697	9,697	9,697	9,697	9,697	9,697	9,697	9,697	11,608	
23	Intangible property tax expense (N/A)	-	-	-	-	-	-	-	-	-	-	-	-	
24	Total SC Retail Property Tax (Sum L20:L23)	\$ 97,274	\$ 97,274	\$ 97,274	\$ 97,274	\$ 97,274	\$ 97,274	\$ 97,274	\$ 97,274	\$ 97,274	\$ 97,274	\$ 97,274	\$ 152,490	
25														
26														
27														
28														
29	<b>SC Retail Plant in Service Additions</b>													
30	<b>Depreciation Group</b>													
31	Feb-2021	Mar-2021	Apr-2021	May-2021	Jun-2021	Jul-2021	Aug-2021	Sep-2021	Oct-2021	Nov-2021	Dec-2021	Jan-2022		
32	A INT 303 Software-20017	-	2,387,958	29,981	145,412	829,748	(769)	93,685	1,818	1,343,373	214,004	178,226	654	
33	A INT 30310 Software 10YR-20017	-	-	-	-	-	-	-	-	-	-	-	-	
34	D DIS 360 SC-20017	-	-	-	-	-	-	-	-	-	-	-	-	
35	D DIS 361 SC-20017	-	-	-	-	-	-	-	-	-	-	-	-	
36	D DIS 362 SC-20017	-	991,932	(56,849)	558	10,623	(346)	318,342	2,441,454	1,629,787	879,783	1,240,694	1,212,647	
37	D DIS 364 SC-20017	355,985	47,007	127,360	187,903	164,548	330,527	(68,569)	155,495	309,622	248,731	132,368	194,340	
38	D DIS 365 SC-20017	1,150,273	694,212	743,064	656,903	852,731	1,331,614	454,622	1,085,289	1,002,045	718,668	1,028,776	721,346	
39	D DIS 366 SC-20017	88,891	1,507,277	824	78,899	20,453	105,800	74,530	145,633	49,768	508,089	81,647	136	
40	D DIS 367 SC-20017	3,118,553	803,558	339,465	921,917	80,466	466,656	518,582	82,298	544,036	(299,308)	344,740	14,314	
41	D DIS 368 SC-20017	554,106	520,023	437,227	310,861	313,373	747,822	1,078,889	718,897	703,591	784,162	703,523	1,323,965	
42	D DIS 369 SC-20017	330,066	365,634	8,117	11,952	(93,256)	42,518	(400,925)	39,870	31,190	(255,108)	(233)	16	
43	D DIS 370 SC-20017	7,610	2,275	7,580	7,987	18,743	6,979	9,306	51,242	24,678	7,268	58,159	31,994	
44	D DIS 371 SC-20017	4,068	14,097	144	70	2,179	1,288	4,417	198	1,016	(18)	244	1,200	
45	D DIS 373 SC-20017	1,030	(523)	3	(41)	3,893	46	390	3,032	11	1,482	44	9	
46	N DIS 360 SC-20017	144,313	23,837	102,988	120,997	126,472	16,374	51,142	(74,137)	8,661	16,213	10,681	8,529	
47	D GEN 390-20017	-	-	108,120	-	2,431	-	-	-	(110,551)	-	-	-	
48	D GEN 391 EDP-20017	-	24,922	-	(25)	-	-	-	-	-	9,356</			

DUKE ENERGY CAROLINAS, LLC

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Amortize Grid costs

For the Test Period Ending December 31, 2022

Line

No. SC Retail Plant in Service Additions ContinuedDepreciation Group

		Actuals [1]											
		Feb-2021	Mar-2021	Apr-2021	May-2021	Jun-2021	Jul-2021	Aug-2021	Sep-2021	Oct-2021	Nov-2021	Dec-2021	Jan-2022
116	D TRN 355-20017	2,000,470	50,328	79,839	18,235	2,219	(608)	19,063	3,841	34	(311)	-	(1,236,204)
117	D TRN 356-20017	466,591	649,746	521,780	27,201	40,420	(2,304)	4,277	1,262	(411,423)	269	(288)	1,943,299
118	D TRN 357-20017	-	-	35	-	-	(2)	-	-	-	-	-	987
119	D TRN 358-20017	(4,094)	1,436	771	1,301	32	2	7	-	-	-	-	1,025,753
120	N TRN 350-20017	-	-	-	-	-	-	-	-	-	-	-	-
121	Distribution to Plant in Service	-	-	-	-	-	-	-	-	-	-	-	-
122	Transmission to Plant in Service	-	-	-	-	-	-	-	-	-	-	-	-
123	Advanced DMS Plant in Service	-	-	-	-	-	-	-	-	-	-	-	-
124	Communications Plant in Service	-	-	-	-	-	-	-	-	-	-	-	-
125	Enterprise Applications Plant in Service	-	-	-	-	-	-	-	-	-	-	-	-

126 SC Retail Depreciation ExpenseDepreciation Group

		Actuals [1]											
		Feb-2021	Mar-2021	Apr-2021	May-2021	Jun-2021	Jul-2021	Aug-2021	Sep-2021	Oct-2021	Nov-2021	Dec-2021	Jan-2022
127	A INT 303 Software-20017	134,222	134,222	174,021	174,521	176,945	190,774	190,761	192,322	192,353	214,742	218,309	228,888
129	A INT 30310 Software 10YR-20017	11,059	11,059	11,059	11,059	11,059	11,059	11,059	11,059	11,059	11,059	11,059	11,439
130	D DIS 360 SC-20017	-	-	-	-	-	-	-	-	-	-	-	-
131	D DIS 361 SC-20017	11,985	11,985	11,985	11,985	12,108	12,108	12,108	12,108	12,108	12,108	12,108	12,108
132	D DIS 362 SC-20017	15,956	15,956	18,097	17,975	16,241	16,261	16,261	16,881	21,642	24,820	26,536	28,955
133	D DIS 364 SC-20017	6,121	6,709	6,786	6,996	7,823	8,114	8,698	8,576	8,851	9,398	9,838	10,071
134	D DIS 365 SC-20017	35,748	37,607	38,730	39,931	41,627	43,027	45,213	45,959	47,741	49,386	50,566	52,255
135	D DIS 366 SC-20017	5,285	5,401	7,373	7,374	6,525	6,548	6,669	6,754	6,920	6,977	7,557	7,651
136	D DIS 367 SC-20017	24,460	29,658	30,997	31,563	32,437	32,569	33,331	34,178	34,312	35,201	34,712	35,275
137	D DIS 368 SC-20017	4,744	5,561	6,329	6,973	8,650	9,188	10,471	12,323	13,558	14,765	16,112	17,319
138	D DIS 369 SC-20017	1,505	1,868	2,270	2,279	2,414	2,306	2,355	1,891	1,937	1,973	1,678	1,677
139	D DIS 370 SC-20017	24	58	68	101	67	108	123	143	254	307	323	449
140	D DIS 371 SC-20017	166	174	199	199	215	219	222	231	231	233	233	233
141	D DIS 373 SC-20017	3	5	4	4	3	11	11	12	18	19	22	22
142	N DIS 360 SC-20017	-	-	-	-	-	-	-	-	-	-	-	-
143	D GEN 390-20017	1,817	1,817	1,817	2,107	2,002	2,008	2,008	2,008	2,008	1,727	1,727	1,749
144	D GEN 391 EDP-20017	4,145	4,145	4,404	4,404	4,404	4,404	4,404	4,404	4,404	4,404	4,404	4,559
145	D GEN 391-20017	3	3	3	3	3	3	3	3	3	3	3	3
146	D GEN 395-20017	-	-	-	-	-	-	-	-	-	-	-	-
147	D GEN 397-20017	139,809	144,695	146,842	147,577	151,116	150,023	154,742	157,312	153,375	159,876	164,432	168,549
148	D GEN 397-20093	44	44	43	43	52	52	52	53	53	53	64	63
149	D TRN 350-20017	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	0	0	0	0
150	D TRN 352-20017	4,069	4,069	4,422	4,683	8,111	8,116	7,731	7,720	7,811	7,814	6,881	6,994
151	D TRN 353-20017	33,995	34,153	34,534	36,321	40,488	40,511	47,087	47,842	50,422	51,362	57,406	62,477
152	D TRN 353-20093	160	160	159	489	548	548	552	553	553	553	553	562
153	D TRN 354-20017	459	1,132	1,148	1,267	1,286	1,287	1,286	1,293	1,294	1,294	1,294	1,312
154	D TRN 355-20017	5,518	9,302	9,397	9,548	11,355	11,360	11,359	11,402	11,410	11,410	11,410	11,569
155	D TRN 356-20017	6,075	6,853	7,935	8,805	8,939	9,007	9,003	9,010	9,012	8,320	8,320	8,436
156	D TRN 357-20017	2	2	2	2	2	2	2	2	2	2	2	2
157	D TRN 358-20017	1,457	1,453	1,454	1,455	1,876	1,876	1,876	1,876	1,876	1,876	1,876	1,902
158	N TRN 350-20017	-	-	-	-	-	-	-	-	-	-	-	-
159	Distribution to Plant in Service	-	-	-	-	-	-	-	-	-	-	-	-
160	Transmission to Plant in Service	-	-	-	-	-	-	-	-	-	-	-	-
161	Advanced DMS Plant in Service	-	-	-	-	-	-	-	-	-	-	-	-
162	Communications Plant in Service	-	-	-	-	-	-	-	-	-	-	-	-
163	Enterprise Applications Plant in Service	-	-	-	-	-	-	-	-	-	-	-	-

[1] Grid actual plant additions per Finance

[2] Grid forecasted plant additions per Financial Planning

[3] SC5040-6 Effective property tax rates

[4] SC5040-7 Cost of Service Allocations Factors

Supplemental Direct  
 SC5040-3 Plant Detail  
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DUKE ENERGY CAROLINAS, LLC  
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Amortize Grid costs  
For the Test Period Ending December 31, 2023

Supplemental Direct  
SC5040-3 Plant Detail  
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SC Grid Plant in Service and Depreciation Expense Detailed Activity

Line No.	Description	2022 Feb-2022	2022 Mar-2022	2022 Apr-2022	2022 May-2022	2022 Jun-2022	2022 Jul-2022	2022 Aug-2022	2022 Sep-2022	2022 Oct-2022	2022 Nov-2022	2022 Dec-2022	2023 Jan-2023	
1	<b>Actuals [1]</b>													
2														
3	<b>Sum of SC Retail Plant in Service (L90 through L125)</b>													
4	Transmission plant in service	\$ 2,123,279	\$ 639,656	\$ 5,026,335	\$ 4,819,840	\$ 3,082,031	\$ 2,269,260	\$ 702,386	\$ 1,505,316	\$ 1,122,911	\$ (465,165)	\$ 6,969,653	\$ 1,087,834	
5	Distribution plant in service	6,744,076	5,346,599	2,335,345	2,457,312	4,467,297	3,488,644	5,035,825	12,805,932	8,231,750	8,040,819	7,231,511	2,545,825	
6	General plant in service	152,872	237,474	129,602	120,104	1,889,452	678,931	910,674	609,952	153,747	1,121,550	1,729,154	327,665	
7	Intangible plant in service	153,498	-	(2)	-	232,018	658,755	22,027	349,378	119,274	642,563	30,349	(621)	
8	Total SC Retail Plant in Service (Sum L4:L7)	\$ 9,173,725	\$ 6,223,729	\$ 7,491,280	\$ 7,397,255	\$ 9,670,798	\$ 7,095,590	\$ 6,670,913	\$ 15,270,578	\$ 9,627,682	\$ 9,339,766	\$ 15,960,667	\$ 3,960,703	
9														
10	<b>Sum of SC Retail Depreciation Expense (L128 through L155)</b>													
11	Transmission depreciation expense	\$ 94,991	\$ 98,925	\$ 100,254	\$ 109,510	\$ 118,469	\$ 124,113	\$ 128,475	\$ 129,701	\$ 134,335	\$ 136,476	\$ 135,739	\$ 148,689	
12	Distribution depreciation expense	172,276	183,942	193,578	197,684	201,962	210,220	218,602	227,457	249,083	263,552	278,135	290,126	
13	General depreciation expense	178,028	179,302	181,281	182,361	183,362	199,107	204,765	212,276	217,473	218,754	228,280	244,345	
14	Intangible depreciation expense	240,338	242,896	242,896	242,896	242,896	246,763	257,743	258,110	263,933	265,920	276,630	274,012	
15	Total SC Retail Depreciation Expense (Sum L11:L14)	\$ 685,633	\$ 705,065	\$ 718,009	\$ 732,452	\$ 746,689	\$ 780,203	\$ 809,584	\$ 827,543	\$ 864,824	\$ 884,703	\$ 918,784	\$ 957,172	
16														
17	<b>Property taxes</b>													
18	Property tax rate - Combined [3]	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.68%
19	Property tax rate - SC [3]	1.34%	1.34%	1.34%	1.34%	1.34%	1.34%	1.34%	1.34%	1.34%	1.34%	1.34%	1.34%	1.34%
20	Transmission property tax expense (PY TTD L4 x L18/12)	\$ 27,201	\$ 27,201	\$ 27,201	\$ 27,201	\$ 27,201	\$ 27,201	\$ 27,201	\$ 27,201	\$ 27,201	\$ 27,201	\$ 27,201	\$ 27,201	\$ 44,305
21	Distribution property tax expense (PY TTD L5 x L19/12)	113,682	113,682	113,682	113,682	113,682	113,682	113,682	113,682	113,682	113,682	113,682	113,682	191,434
22	General property tax expense (PY TTD L6 x L18/12)	11,608	11,608	11,608	11,608	11,608	11,608	11,608	11,608	11,608	11,608	11,608	11,608	16,438
23	Intangible property tax expense (N/A)	-	-	-	-	-	-	-	-	-	-	-	-	
24	Total SC Retail Property Tax (Sum L20:L23)	\$ 152,490	\$ 152,490	\$ 152,490	\$ 152,490	\$ 152,490	\$ 152,490	\$ 152,490	\$ 152,490	\$ 152,490	\$ 152,490	\$ 152,490	\$ 152,490	\$ 252,177
25														
26														
27														
28	<b>SC Retail Plant in Service Additions</b>													
29	<b>Depreciation Group</b>													
30		Feb-2022	Mar-2022	Apr-2022	May-2022	Jun-2022	Jul-2022	Aug-2022	Sep-2022	Oct-2022	Nov-2022	Dec-2022	Jan-2023	
31	A INT 303 Software-20017	153,498	-	(2)	-	232,018	658,755	22,027	349,378	119,274	642,563	30,349	(621)	
32	A INT 30310 Software 10YR-20017	-	-	-	-	-	-	-	-	-	-	-	-	
33	D DIS 360 SC-20017	-	-	-	-	-	1,853,435	-	-	-	-	-	-	
34	D DIS 361 SC-20017	-	-	-	-	-	-	-	-	-	-	-	-	
35	D DIS 362 SC-20017	2,086,709	2,623,051	778,452	1,129,252	2,897,417	2,294,255	1,705,062	1,476,225	2,756,361	3,731,074	441,957	793,458	
36	D DIS 364 SC-20017	496,667	126,872	102,288	(2,922)	177,174	58,655	42,417	1,200,458	454,276	336,334	990,658	52,526	
37	D DIS 365 SC-20017	2,063,615	335,689	493,787	571,608	570,673	621,079	843,730	5,709,377	2,778,465	1,912,785	3,035,702	523,109	
38	D DIS 366 SC-20017	138,894	76,895	19,392	12,503	4,127	(8,236)	56,930	194,612	542,649	6,684	143,141	25,147	
39	D DIS 367 SC-20017	935,688	1,914,126	376,252	253,045	33,780	83,545	1,496,034	2,553,755	(9,416)	482,089	1,374,975	323,387	
40	D DIS 368 SC-20017	952,942	391,546	548,589	419,134	754,917	420,536	586,726	1,323,399	2,063,194	1,447,264	1,033,807	808,150	
41	D DIS 369 SC-20017	(9,173)	(137,121)	5,200	458	596	9,546	(18,059)	153,398	(357,487)	(23,029)	65,925	12,033	
42	D DIS 370 SC-20017	6,197	7,078	6,079	(2,799)	876	(1,678)	271,215	186,878	27,077	152,300	60,218	820	
43	D DIS 371 SC-20017	1,716	1,527	(41)	518	(240)	(1,215)	(3,192)	1,741	(31,873)	(4,682)	2,265	1,688	
44	D DIS 373 SC-20017	1,123	5	16	(66)	2	1	(2,901)	1,319	646	-	-	-	
45	N DIS 360 SC-20017	69,698	6,930	5,332	76,581	27,974	(1,841,278)	57,863	4,772	7,858	-	82,863	5,507	
46	D GEN 390-20017	-	-	-	-	-	-	-	-	-	-	137,491	(351)	
47	D GEN 391 EDP-20017	-	-	-	-	-	-	-	56,883	-	86,116	-	-	
48	D GEN 391-20017	-	-	-	-	-	-	-	-	-	-	-	-	
49	D GEN 395-20017	-	-	-	-	-	-	28,239	1,386	-	-	2,271	-	
50	D GEN 397-2													

DUKE ENERGY CAROLINAS, LLC

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Amortize Grid costs

For the Test Period Ending December 31, 2022

Line

No. SC Retail Plant in Service Additions ContinuedDepreciation Group

		Actuals [1]											
		Feb-2022	Mar-2022	Apr-2022	May-2022	Jun-2022	Jul-2022	Aug-2022	Sep-2022	Oct-2022	Nov-2022	Dec-2022	Jan-2023
116	D TRN 355-20017	-	322,144	1,686	8,801	-	70,190	477	2,424,491	27,167	3,270	647,564	957,084
117	D TRN 356-20017	585,839	177,830	7,516	1,670,230	1,345,569	33,987	501,042	190,589	97,925	(628,573)	3,231,814	103,593
118	D TRN 357-20017	284	-	-	292	273	-	-	340	(0)	25	14	0
119	D TRN 358-20017	25,489	544	13,784	111,231	25,555	(64,682)	33,957	(1,191,554)	-	-	-	-
120	N TRN 350-20017	-	-	-	-	-	-	-	-	-	-	-	-
121	Distribution to Plant in Service	-	-	-	-	-	-	-	-	-	-	-	-
122	Transmission to Plant in Service	-	-	-	-	-	-	-	-	-	-	-	-
123	Advanced DMS Plant in Service	-	-	-	-	-	-	-	-	-	-	-	-
124	Communications Plant in Service	-	-	-	-	-	-	-	-	-	-	-	-
125	Enterprise Applications Plant in Service	-	-	-	-	-	-	-	-	-	-	-	-

126 SC Retail Depreciation ExpenseDepreciation Group

		Actuals [1]											
		Feb-2022	Mar-2022	Apr-2022	May-2022	Jun-2022	Jul-2022	Aug-2022	Sep-2022	Oct-2022	Nov-2022	Dec-2022	Jan-2023
127	A INT 303 Software-20017	228,899	231,457	231,457	231,457	231,457	235,324	246,303	246,671	252,494	254,481	265,191	262,702
129	A INT 30310 Software 10YR-20017	11,439	11,439	11,439	11,439	11,439	11,439	11,439	11,439	11,439	11,439	11,439	11,310
130	D DIS 360 SC-20017	-	-	-	-	-	-	1,931	1,931	1,931	1,931	1,931	1,931
131	D DIS 361 SC-20017	12,108	12,108	12,108	12,108	12,108	12,108	12,108	12,108	12,108	12,108	12,108	12,108
132	D DIS 362 SC-20017	31,320	35,389	40,504	42,022	44,224	49,874	54,348	57,673	60,551	65,926	73,202	74,064
133	D DIS 364 SC-20017	10,415	11,292	11,516	11,697	11,692	12,005	12,108	12,183	14,304	15,107	15,701	17,451
134	D DIS 365 SC-20017	53,439	56,827	57,378	58,188	59,127	60,064	61,083	62,468	71,841	76,402	79,543	84,526
135	D DIS 366 SC-20017	7,651	7,809	7,897	7,919	7,934	7,938	7,929	7,994	8,216	8,836	8,843	9,007
136	D DIS 367 SC-20017	35,298	36,827	39,953	40,568	40,981	41,036	41,173	43,616	47,787	47,772	48,559	50,805
137	D DIS 368 SC-20017	19,592	21,228	21,900	22,842	23,561	24,857	25,579	26,586	28,858	32,400	34,885	36,659
138	D DIS 369 SC-20017	1,677	1,667	1,508	1,514	1,514	1,515	1,526	1,505	1,683	1,269	1,242	1,319
139	D DIS 370 SC-20017	518	532	547	560	554	556	553	1,140	1,545	1,604	1,934	2,064
140	D DIS 371 SC-20017	236	239	242	242	243	242	240	234	237	175	166	171
141	D DIS 373 SC-20017	22	24	24	24	24	24	24	18	21	22	22	22
142	N DIS 360 SC-20017	-	-	-	-	-	-	-	-	-	-	-	-
143	D GEN 390-20017	1,749	1,749	1,749	1,749	1,749	1,749	1,749	1,749	1,749	1,749	1,749	2,121
144	D GEN 391 EDP-20017	4,559	4,559	4,559	4,559	4,559	4,559	4,559	4,559	5,152	5,152	6,049	6,110
145	D GEN 391-20017	3	3	3	3	3	3	3	3	3	3	3	3
146	D GEN 395-20017	-	-	-	-	-	-	-	157	165	165	165	179
147	D GEN 397-20017	171,635	172,907	174,886	175,966	176,965	192,709	198,366	205,712	210,307	211,584	220,211	235,800
148	D GEN 397-20093	82	84	84	84	86	87	88	95	98	102	103	131
149	D TRN 350-20017	1	1	1	1	1	1	1	1	75	75	75	75
150	D TRN 352-20017	4,680	4,965	4,770	8,082	7,918	7,972	8,589	8,564	5,122	5,122	5,123	5,132
151	D TRN 353-20017	64,182	66,807	67,309	73,216	79,341	82,627	86,011	86,389	90,380	92,007	92,318	98,330
152	D TRN 353-20093	562	562	562	562	562	562	767	744	746	930	932	932
153	D TRN 354-20017	1,626	1,626	1,626	1,626	1,626	1,626	1,664	1,665	1,697	1,800	1,800	1,831
154	D TRN 355-20017	8,797	8,797	9,520	9,523	9,543	9,543	9,700	9,702	15,136	15,197	15,205	16,659
155	D TRN 356-20017	11,707	12,693	12,992	13,005	15,817	18,082	18,139	18,982	19,303	19,468	18,410	23,853
156	D TRN 357-20017	3	3	3	3	4	4	4	4	4	4	4	4
157	D TRN 358-20017	3,432	3,470	3,471	3,492	3,657	3,696	3,599	3,650	1,872	1,872	1,872	1,873
158	N TRN 350-20017	-	-	-	-	-	-	-	-	-	-	-	-
159	Distribution to Plant in Service	-	-	-	-	-	-	-	-	-	-	-	-
160	Transmission to Plant in Service	-	-	-	-	-	-	-	-	-	-	-	-
161	Advanced DMS Plant in Service	-	-	-	-	-	-	-	-	-	-	-	-
162	Communications Plant in Service	-	-	-	-	-	-	-	-	-	-	-	-
163	Enterprise Applications Plant in Service	-	-	-	-	-	-	-	-	-	-	-	-

[1] Grid actual plant additions per Finance

[2] Grid forecasted plant additions per Financial Planning

DUKE ENERGY CAROLINAS, LLC  
 Docket No. 2023-388-E  
 Amortize Grid costs  
 For the Test Period Ending December 31, 2022

Supplemental Direct  
 SC5040-3 Plant Detail  
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SC Grid Plant in Service and Depreciation Expense Detailed Activity

Line No.	Description	2023 Feb-2023	2023 Mar-2023	2023 Apr-2023	2023 May-2023	2023 Jun-2023	2023 Jul-2023	2023 Aug-2023	2023 Sep-2023	2023 Oct-2023	2023 Nov-2023	2023 Dec-2023	2024 Jan-2024
2	<b>Actuals [1]</b>												
3	<b>Sum of SC Retail Plant in Service (L90 through L125)</b>												
4	Transmission plant in service	\$ 873,041	\$ 2,391,834	\$ 2,415,745	\$ 5,626,613	\$ 12,746,367	\$ 2,474,693	\$ (251,795)	\$ 1,725,082	\$ 2,269,460	\$ 1,016,937	\$ 588,037	
5	Distribution plant in service	3,049,744	15,193,657	3,454,523	4,514,815	10,884,929	3,730,806	12,970,894	9,525,211	37,202,836	7,603,438	95,010,717	
6	General plant in service	136,741	795,407	366,890	1,906,971	1,514,332	342,969	2,825,937	335,298	1,050,915	196,528	2,472,526	
7	Intangible plant in service	175	2,295	584	(141)	180	-	421,376	1,260,244	-	-	-	
8	Total SC Retail Plant in Service (Sum L4:L7)	\$ 4,059,701	\$ 18,383,194	\$ 6,237,741	\$ 12,048,258	\$ 25,145,808	\$ 6,548,469	\$ 15,966,412	\$ 12,845,835	\$ 40,523,210	\$ 8,816,903	\$ 98,071,279	
9													
10	<b>Sum of SC Retail Depreciation Expense (L128 through L155)</b>												
11	Transmission depreciation expense	\$ 151,062	\$ 153,004	\$ 157,913	\$ 162,468	\$ 173,655	\$ 197,744	\$ 202,981	\$ 202,651	\$ 206,129	\$ 210,957	\$ 213,227	\$ 214,378
12	Distribution depreciation expense	294,588	299,926	326,312	332,361	340,482	359,451	366,041	387,678	403,845	467,939	481,163	640,852
13	General depreciation expense	247,077	248,217	254,894	257,951	273,843	286,463	289,321	312,870	315,664	324,422	326,060	346,664
14	Intangible depreciation expense	274,001	274,004	274,042	274,052	274,050	274,053	281,076	302,080	302,080	302,080	302,080	
15	Total SC Retail Depreciation Expense (Sum L11:L14)	\$ 966,729	\$ 975,151	\$ 1,013,161	\$ 1,026,833	\$ 1,062,030	\$ 1,117,711	\$ 1,132,395	\$ 1,184,275	\$ 1,227,718	\$ 1,305,397	\$ 1,322,529	\$ 1,503,973
16													
17	<b>Property taxes</b>												
18	Property tax rate - Combined [3]	0.68%	0.68%	0.68%	0.68%	0.68%	0.68%	0.68%	0.68%	0.68%	0.68%	0.68%	0.68%
19	Property tax rate - SC [3]	1.34%	1.34%	1.34%	1.34%	1.34%	1.34%	1.34%	1.34%	1.34%	1.34%	1.34%	1.34%
20	Transmission property tax expense (PY TTD L4 x L18/12)	\$ 44,305	\$ 44,305	\$ 44,305	\$ 44,305	\$ 44,305	\$ 44,305	\$ 44,305	\$ 44,305	\$ 44,305	\$ 44,305	\$ 44,305	\$ 62,937
21	Distribution property tax expense (PY TTD L5 x L19/12)	191,434	191,434	191,434	191,434	191,434	191,434	191,434	191,434	191,434	191,434	191,434	421,272
22	General property tax expense (PY TTD L6 x L18/12)	16,438	16,438	16,438	16,438	16,438	16,438	16,438	16,438	16,438	16,438	16,438	23,374
23	Intangible property tax expense (N/A)												
24	Total SC Retail Property Tax (Sum L20:L23)	\$ 252,177	\$ 252,177	\$ 252,177	\$ 252,177	\$ 252,177	\$ 252,177	\$ 252,177	\$ 252,177	\$ 252,177	\$ 252,177	\$ 252,177	\$ 507,583
25													
26													
27													
28	<b>SC Retail Plant in Service Additions</b>												
90	<b>Depreciation Group</b>	Feb-2023	Mar-2023	Apr-2023	May-2023	Jun-2023	Jul-2023	Aug-2023	Sep-2023	Oct-2023	Nov-2023	Dec-2023	Jan-2024
91	A INT 303 Software-20017	175	2,295	584	(141)	180	-	421,376	1,260,244	-	-	-	-
92	A INT 30310 Software 10YR-20017	-	-	-	-	-	-	-	-	-	-	-	-
93	D DIS 360 SC-20017	-	-	-	-	-	-	-	-	-	-	-	-
94	D DIS 362 SC-20017	792,828	3,592,444	1,001,153	1,896,460	2,064,571	1,129,133	264,403	70,988	4,680,205	1,593,820	3,832,250	-
95	D DIS 364 SC-20017	231,225	1,384,389	153,877	229,672	1,051,738	220,183	1,715,431	1,520,400	5,185,069	913,298	14,332,145	-
96	D DIS 365 SC-20017	860,521	5,798,696	794,462	1,250,360	5,027,115	1,243,517	6,535,226	5,833,289	20,020,952	3,420,770	47,656,616	-
97	D DIS 366 SC-20017	6,608	128,154	32,949	(981)	467	76	192,009	13,626	38,764	29,344	1,740,496	-
98	D DIS 367 SC-20017	184,130	1,826,302	353,820	(2,088)	20,466	8,085	1,900,847	332,691	764,144	275,549	14,254,436	-
99	D DIS 368 SC-20017	973,649	2,124,276	1,094,393	1,107,005	2,418,884	1,112,123	1,797,328	1,302,933	5,383,679	1,188,254	10,894,857	-
100	D DIS 369 SC-20017	(300)	70,393	14,876	(794)	1,263	13	268,446	4,060	35,388	31,130	279,063	-
101	D DIS 370 SC-20017	(2,956)	206,804	4,228	32,202	297,291	15,123	290,937	432,142	1,072,425	149,887	1,959,778	-
102	D DIS 371 SC-20017	(1,368)	54,783	166	102	(7)	1,138	3,353	8,412	11,078	(1,084)	48,354	-
103	D DIS 373 SC-20017	6	1,636	17	-	46	13	2,527	6,273	9,221	2,511	11,483	-
104	N DIS 360 SC-20017	5,401	5,781	4,582	2,876	3,096	1,403	390	398	1,910	(40)	1,239	-
105	D GEN 390-20017	-	-	-	-	-	-	-	-	-	-	-	-
106	D GEN 391 EDP-20017	-	23,191	161	1	137	-	-	-	-	-	-	-
107	D GEN 391-20017	-	-	-	-	-	-	-	-	-	-	-	-
108	D GEN 395-20017	-	-	-	-	-	-	-	-	-	-	-	-
109	D GEN 397-20017	135,353	771,520	366,729	1,906,970	1,514,195	342,969	2,825,937	335,298	1,050,915	196,528	2,472,526	-
110	D GEN 397-20093	1											

DUKE ENERGY CAROLINAS, LLC

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## Amortize Grid costs

For the Test Period Ending December 31, 2022

Lin

No. SC Retail Plant in Service Additions Continued

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126 SC Retail Depreciation Expense

127 Depreciation Group

## [1] Grid actual plant additions per Finance

## [2] Grid forecasted plant additions per Financial Planning

### [3] SC5040-6 Effective property tax rate

[4] SC5040-7 Cost of Service Allocations Factors

DUKE ENERGY CAROLINAS, LLC  
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SC Grid Plant in Service and Depreciation Expense Detailed Activity

Line No.	Description	2024 Feb-2024	2024 Mar-2024	2024 Apr-2024	2024 May-2024	2024 Jun-2024	2024 Jul-2024	2024 Aug-2024
1	<b>Forecasted [2]</b>							
2								
3	<u>Sum of SC Retail Plant in Service (L90 through L125)</u>							
4	Transmission plant in service	\$ 214,378	\$ 214,378	\$ 214,378	\$ 214,378	\$ 214,378	\$ 214,378	\$ 214,378
5	Distribution plant in service	640,852	640,852	640,852	640,852	640,852	640,852	640,852
6	General plant in service							
7	Intangible plant in service							
8	Total SC Retail Plant in Service (Sum L4:L7)							
9								
10	<u>Sum of SC Retail Depreciation Expense (L128 through L155)</u>							
11	Transmission depreciation expense	\$ 214,378	\$ 214,378	\$ 214,378	\$ 214,378	\$ 214,378	\$ 214,378	\$ 214,378
12	Distribution depreciation expense	640,852	640,852	640,852	640,852	640,852	640,852	640,852
13	General depreciation expense	346,664	346,664	346,664	346,664	346,664	346,664	346,664
14	Intangible depreciation expense	302,080	302,080	302,080	302,080	302,080	302,080	302,080
15	Total SC Retail Depreciation Expense (Sum L11:L14)	\$ 1,503,973	\$ 1,503,973	\$ 1,503,973	\$ 1,503,973	\$ 1,503,973	\$ 1,503,973	\$ 1,503,973
16								
17	<u>Property taxes</u>							
18	Property tax rate - Combined [3]	0.68%	0.68%	0.68%	0.68%	0.68%	0.68%	0.68%
19	Property tax rate - SC [3]	1.34%	1.34%	1.34%	1.34%	1.34%	1.34%	1.34%
20	Transmission property tax expense (PY TTD L4 x L18/12)	\$ 62,937	\$ 62,937	\$ 62,937	\$ 62,937	\$ 62,937	\$ 62,937	\$ 62,937
21	Distribution property tax expense (PY TTD L5 x L19/12)	421,272	421,272	421,272	421,272	421,272	421,272	421,272
22	General property tax expense (PY TTD L6 x L18/12)	23,374	23,374	23,374	23,374	23,374	23,374	23,374
23	Intangible property tax expense (N/A)							
24	Total SC Retail Property Tax (Sum L20:L23)	\$ 507,583	\$ 507,583	\$ 507,583	\$ 507,583	\$ 507,583	\$ 507,583	\$ 507,583
25								
26								
27								
28								

SC Retail Plant in Service Additions		<b>Forecasted [2]</b>					
	Depreciation Group	Feb-2024	Mar-2024	Apr-2024	May-2024	Jun-2024	Jul-2024
90	A INT 303 Software-20017	-	-	-	-	-	-
91	A INT 30310 Software 10YR-20017	-	-	-	-	-	-
92	D DIS 360 SC-20017	-	-	-	-	-	-
93	D DIS 361 SC-20017	-	-	-	-	-	-
94	D DIS 362 SC-20017	-	-	-	-	-	-
95	D DIS 364 SC-20017	-	-	-	-	-	-
96	D DIS 365 SC-20017	-	-	-	-	-	-
97	D DIS 366 SC-20017	-	-	-	-	-	-
98	D DIS 367 SC-20017	-	-	-	-	-	-
99	D DIS 368 SC-20017	-	-	-	-	-	-
100	D DIS 369 SC-20017	-	-	-	-	-	-
101	D DIS 370 SC-20017	-	-	-	-	-	-
102	D DIS 371 SC-20017	-	-	-	-	-	-
103	D DIS 373 SC-20017	-	-	-	-	-	-
104	N DIS 360 SC-20017	-	-	-	-	-	-
105	D GEN 390-20017	-	-	-	-	-	-
106	D GEN 391 EDP-20017	-	-	-	-	-	-
107	D GEN 391-20017	-	-	-	-	-	-
108	D GEN 395-20017	-	-	-	-	-	-
109	D GEN 397-20017	-	-	-	-	-	-
110	D GEN 397-20093	-	-	-	-	-	-
111	D TRN 350-20017	-	-	-	-	-	-
112	D TRN 352-20017	-	-	-	-	-	-
113	D TRN 353-20017	-	-	-	-	-	-
114	D TRN 353-20093	-	-	-	-	-	-
115	D TRN 354-20017	-	-	-	-	-	-

DUKE ENERGY CAROLINAS, LLC

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Amortize Grid costs

For the Test Period Ending December 31, 2022

Line

No. SC Retail Plant in Service Additions Continued

Depreciation Group

	Forecasted [2]					
	Feb-2024	Mar-2024	Apr-2024	May-2024	Jun-2024	Jul-2024

- 116 D TRN 355-20017
- 117 D TRN 356-20017
- 118 D TRN 357-20017
- 119 D TRN 358-20017
- 120 N TRN 350-20017
- 121 Distribution to Plant in Service
- 122 Transmission to Plant in Service
- 123 Advanced DMS Plant in Service
- 124 Communications Plant in Service
- 125 Enterprise Applications Plant in Service

Supplemental Direct  
 SC5040-3 Plant Detail  
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126 SC Retail Depreciation Expense

Depreciation Group

	Forecasted [2]						
	Feb-2024	Mar-2024	Apr-2024	May-2024	Jun-2024	Jul-2024	Aug-2024
127 A INT 303 Software-20017	290,770	290,770	290,770	290,770	290,770	290,770	290,770
128 A INT 30310 Software 10YR-20017	11,310	11,310	11,310	11,310	11,310	11,310	11,310
129 D DIS 360 SC-20017	1,931	1,931	1,931	1,931	1,931	1,931	1,931
130 D DIS 361 SC-20017	12,108	12,108	12,108	12,108	12,108	12,108	12,108
131 D DIS 362 SC-20017	116,401	116,401	116,401	116,401	116,401	116,401	116,401
132 D DIS 364 SC-20017	65,133	65,133	65,133	65,133	65,133	65,133	65,133
133 D DIS 365 SC-20017	246,993	246,993	246,993	246,993	246,993	246,993	246,993
134 D DIS 366 SC-20017	11,526	11,526	11,526	11,526	11,526	11,526	11,526
135 D DIS 367 SC-20017	83,867	83,867	83,867	83,867	83,867	83,867	83,867
136 D DIS 368 SC-20017	88,512	88,512	88,512	88,512	88,512	88,512	88,512
137 D DIS 369 SC-20017	2,147	2,147	2,147	2,147	2,147	2,147	2,147
138 D DIS 370 SC-20017	11,725	11,725	11,725	11,725	11,725	11,725	11,725
139 D DIS 371 SC-20017	417	417	417	417	417	417	417
140 D DIS 373 SC-20017	91	91	91	91	91	91	91
141 N DIS 360 SC-20017	-	-	-	-	-	-	-
142 D GEN 390-20017	2,120	2,120	2,120	2,120	2,120	2,120	2,120
143 D GEN 391 EDP-20017	6,355	6,355	6,355	6,355	6,355	6,355	6,355
144 D GEN 391-20017	3	3	3	3	3	3	3
145 D GEN 395-20017	179	179	179	179	179	179	179
146 D GEN 397-20017	337,858	337,858	337,858	337,858	337,858	337,858	337,858
147 D GEN 397-20093	149	149	149	149	149	149	149
148 D TRN 350-20017	100	100	100	100	100	100	100
149 D TRN 352-20017	7,549	7,549	7,549	7,549	7,549	7,549	7,549
150 D TRN 353-20017	120,674	120,674	120,674	120,674	120,674	120,674	120,674
151 D TRN 353-20093	4,751	4,751	4,751	4,751	4,751	4,751	4,751
152 D TRN 354-20017	1,918	1,918	1,918	1,918	1,918	1,918	1,918
153 D TRN 355-20017	42,908	42,908	42,908	42,908	42,908	42,908	42,908
154 D TRN 356-20017	34,981	34,981	34,981	34,981	34,981	34,981	34,981
155 D TRN 357-20017	5	5	5	5	5	5	5
156 D TRN 358-20017	1,492	1,492	1,492	1,492	1,492	1,492	1,492
157 N TRN 350-20017	-	-	-	-	-	-	-
158 Distribution to Plant in Service	-	-	-	-	-	-	-
159 Transmission to Plant in Service	-	-	-	-	-	-	-
160 Advanced DMS Plant in Service	-	-	-	-	-	-	-
161 Communications Plant in Service	-	-	-	-	-	-	-
162 Enterprise Applications Plant in Service	-	-	-	-	-	-	-
163							

[1] Grid actual plant additions per Finance

[2] Grid forecasted plant additions per Financial Planning

[3] SC5040-6 Effective property tax rates

[4] SC5040-7 Cost of Service Allocations Factors

DUKE ENERGY CAROLINAS, LLC  
Docket No. 2023-388-E  
Amortize Grid costs  
For the Test Period Ending December 31, 2022  
(Amounts in dollars)  
NC Grid installation O&M Detailed Activity

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SC5040-4 OM Detail  
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Line No.	Description	1 Jan-2019	2 Feb-2019	3 Mar-2019	4 Apr-2019	5 May-2019	6 Jun-2019	7 Jul-2019	8 Aug-2019	9 Sep-2019	10 Oct-2019	11 Nov-2019	12 Dec-2019	1 Jan-2020	2 Feb-2020	3 Mar-2020
1	<b>Actuals [1]</b>															
2	<b>Sum of SC Retail Installation O&amp;M (L26 : L36)</b>	\$ -	\$ 14	\$ -	\$ -	\$ 880	\$ -	\$ -	\$ 51,009	\$ 39,870	\$ 91,726	\$ 94,135	\$ 47,002	\$ 75,506	\$ 43,546	
3	Transmission O&M	2,482	2,171	1,837	1,835	45,077	5,740	14,337	23,308	51,009	39,870	91,726	94,135	47,002	75,506	43,546
4	Distribution O&M	34,956	22,068	33,566	16,633	26,844	18,222	26,390	14,827	15,971	23,473	41,704	16,180	39,945	24,220	14,165
5	General O&M	132,691	65,735	43,382	158,246	38,247	182,496	37,041	40,626	37,725	149,019	30,094	183,393	122,932	66,902	(5,026)
7	Total SC Retail Installation O&M (Sum L3 : L6)	\$ 170,130	\$ 89,989	\$ 78,785	\$ 176,713	\$ 110,167	\$ 207,338	\$ 77,768	\$ 78,761	\$ 104,705	\$ 212,362	\$ 163,524	\$ 293,707	\$ 209,880	\$ 166,629	\$ 52,686
8	<b>SC Retail Installation O&amp;M</b>															
24	<b>Depreciation Group</b>	<u>Jan-2019</u>	<u>Feb-2019</u>	<u>Mar-2019</u>	<u>Apr-2019</u>	<u>May-2019</u>	<u>Jun-2019</u>	<u>Jul-2019</u>	<u>Aug-2019</u>	<u>Sep-2019</u>	<u>Oct-2019</u>	<u>Nov-2019</u>	<u>Dec-2019</u>	<u>Jan-2020</u>	<u>Feb-2020</u>	<u>Mar-2020</u>
25	ADMS	31,537	17,136	23,772	12,311	23,598	14,573	16,633	12,493	12,943	20,178	18,624	13,894	39,332	22,698	10,033
27	Communication	3,419	4,933	9,794	4,322	3,246	3,649	9,757	2,334	3,028	3,295	23,080	2,286	613	1,523	4,132
28	Enterprise Application	132,691	65,735	43,382	158,246	38,247	182,496	37,041	40,626	37,725	149,019	30,094	183,393	122,932	66,902	(5,026)
29	Energy Storage (Software)	2,482	2,171	1,837	1,835	45,077	5,740	14,337	23,308	51,009	39,870	91,726	94,135	47,002	75,506	43,546
30	Distribution SC	-	14	-	-	-	880	-	-	-	-	-	-	-	-	-
31	Transmission	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
32	Distribution O&M Spend	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
33	Transmission O&M Spend	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
34	Advanced DMS O&M Spend	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
35	Communications O&M Spend	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
36	Enterprise Applications O&M Spend	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

[1] Grid actual plant additions per Finance

[2] Grid forecasted plant additions per Financial Planning

DUKE ENERGY CAROLINAS, LLC  
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Line No.	Description	4 Apr-2020	5 May-2020	6 Jun-2020	7 Jul-2020	8 Aug-2020	9 Sep-2020	10 Oct-2020	11 Nov-2020	12 Dec-2020	1 Jan-2021	2 Feb-2021	3 Mar-2021	4 Apr-2021	5 May-2021	6 Jun-2021
1	<b>Actuals [1]</b>															
2	<b>Sum of SC Retail Installation O&amp;M (L26 : L36)</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,098	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
3	Transmission O&M	\$ (10,519)	\$ 44,176	\$ 18,214	\$ (93,804)	\$ 25,705	\$ 48,499	\$ 97,536	\$ 59,719	\$ 34,206	\$ 68,699	\$ 72,191	\$ 85,971	\$ 97,985	\$ 119,746	\$ 97,564
4	Distribution O&M	\$ 43,503	\$ (2,093)	\$ 38,229	\$ 14,965	\$ 33,310	\$ 14,511	\$ 25,276	\$ 20,941	\$ 20,362	\$ 20,219	\$ 27,388	\$ 54,976	\$ 100,841	\$ (46,974)	\$ 155,041
5	General O&M	\$ 70,158	\$ 26,172	\$ 55,979	\$ (5,018)	\$ 30,771	\$ 21,956	\$ 24,911	\$ 33,184	\$ 21,545	\$ 14,527	\$ 24,273	\$ 25,046	\$ 46,617	\$ 19,670	\$ 65,497
7	Total SC Retail Installation O&M (Sum L3 : L6)	\$ 103,142	\$ 68,255	\$ 112,422	\$ (83,858)	\$ 89,786	\$ 84,965	\$ 148,820	\$ 113,844	\$ 76,113	\$ 103,444	\$ 123,852	\$ 165,993	\$ 245,443	\$ 92,442	\$ 318,102
8	<b>SC Retail Installation O&amp;M</b>															
24	<b>Depreciation Group</b>	<u>Apr-2020</u>	<u>May-2020</u>	<u>Jun-2020</u>	<u>Jul-2020</u>	<u>Aug-2020</u>	<u>Sep-2020</u>	<u>Oct-2020</u>	<u>Nov-2020</u>	<u>Dec-2020</u>	<u>Jan-2021</u>	<u>Feb-2021</u>	<u>Mar-2021</u>	<u>Apr-2021</u>	<u>May-2021</u>	<u>Jun-2021</u>
25	ADMS	41,473	(4,226)	29,463	13,996	31,039	8,854	21,177	16,953	9,814	15,169	22,951	41,924	25,273	13,866	20,431
27	Communication	2,030	2,133	8,766	969	2,271	5,657	4,099	3,987	10,548	5,050	4,437	13,052	75,568	(60,840)	134,610
28	Enterprise Application	70,158	26,172	55,901	(5,122)	30,195	21,857	24,677	32,948	21,382	13,796	23,384	24,220	45,269	17,971	63,016
29	Energy Storage (Software)	(10,519)	44,176	18,214	(93,804)	25,705	48,499	97,536	59,719	34,206	68,699	72,191	85,971	97,985	119,746	97,564
30	Distribution SC	-	-	-	-	-	-	1,098	-	-	-	-	-	-	-	-
31	Transmission	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
32	Distribution O&M Spend	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
33	Transmission O&M Spend	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
34	Advanced DMS O&M Spend	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
35	Communications O&M Spend	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
36	Enterprise Applications O&M Spend	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

[1] Grid actual plant additions per Finance

[2] Grid forecasted plant additions per Financial Planning

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Line No.	Description	7 Jul-2021	8 Aug-2021	9 Sep-2021	10 Oct-2021	11 Nov-2021	12 Dec-2021	1 Jan-2022	2 Feb-2022	3 Mar-2022	4 Apr-2022	5 May-2022	6 Jun-2022	7 Jul-2022	8 Aug-2022	9 Sep-2022
1	<b>Actuals [1]</b>															
2	<b>Sum of SC Retail Installation O&amp;M (L26 : L36)</b>	\$ -	\$ -	\$ -	\$ 819	\$ 549	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 11	\$ -	\$ -	\$ -	\$ -
3	Transmission O&M	89,663	98,321	194,356	160,202	230,047	237,040	171,506	185,009	111,339	225,680	201,919	191,350	230,491	252,669	184,306
4	Distribution O&M	(94,656)	24,290	49,289	71,726	105,187	90,402	78,812	93,119	80,587	51,176	42,252	269,506	24,356	(15,348)	91,968
5	General O&M	35,011	31,609	32,905	33,767	15,871	11,103	26,365	25,633	25,207	28,006	34,684	24,988	18,450	(18,164)	24,391
7	Total SC Retail Installation O&M (Sum L3 : L6)	\$ 30,018	\$ 154,220	\$ 276,551	\$ 266,514	\$ 351,654	\$ 338,546	\$ 276,683	\$ 303,761	\$ 217,133	\$ 304,862	\$ 278,866	\$ 485,844	\$ 273,297	\$ 219,157	\$ 300,665
8	<b>SC Retail Installation O&amp;M</b>															
24	<b>Depreciation Group</b>	<u>Jul-2021</u>	<u>Aug-2021</u>	<u>Sep-2021</u>	<u>Oct-2021</u>	<u>Nov-2021</u>	<u>Dec-2021</u>	<u>Jan-2022</u>	<u>Feb-2022</u>	<u>Mar-2022</u>	<u>Apr-2022</u>	<u>May-2022</u>	<u>Jun-2022</u>	<u>Jul-2022</u>	<u>Aug-2022</u>	<u>Sep-2022</u>
25	ADMS	16,903	19,044	16,236	12,874	46,759	17,726	10,691	18,356	26,053	37,996	29,198	25,760	24,156	(3,783)	66,042
27	Communication	(111,559)	5,247	33,053	58,852	58,428	72,676	68,121	74,762	54,534	13,180	13,055	243,747	199	(11,565)	25,926
28	Enterprise Application	31,971	29,337	29,933	31,983	14,089	10,916	25,950	25,633	25,207	28,006	34,684	24,988	18,563	(18,260)	24,391
29	Energy Storage (Software)	3,040	2,272	2,972	1,784	1,781	188	415	-	-	-	-	-	(113)	97	-
30	Distribution SC	89,663	98,321	194,356	160,202	230,047	237,040	171,506	185,009	111,339	225,680	201,919	191,350	230,491	252,669	184,306
31	Transmission	-	-	-	819	549	-	-	-	-	-	11	-	-	-	-
32	Distribution O&M Spend	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
33	Transmission O&M Spend	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
34	Advanced DMS O&M Spend	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
35	Communications O&M Spend	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
36	Enterprise Applications O&M Spend	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

[1] Grid actual plant additions per Finance

[2] Grid forecasted plant additions per Financial Planning

DUKE ENERGY CAROLINAS, LLC  
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Line No.	Description	10 Oct-2022	11 Nov-2022	12 Dec-2022	1 Jan-2023	2 Feb-2023	3 Mar-2023	4 Apr-2023	5 May-2023	6 Jun-2023	7 Jul-2023	8 Aug-2023	9 Sep-2023	10 Oct-2023	11 Nov-2023	12 Dec-2023
1	<b>Actuals [1]</b>															
2	Sum of SC Retail Installation O&M (L26 : L36)	\$ (10)	\$ -	\$ 296	\$ 28	\$ -	\$ 5	\$ -	\$ -	\$ -	\$ -	\$ 7	\$ -	\$ -	\$ -	\$ -
3	Transmission O&M	160,270	338,523	632,654	262,667	227,107	378,047	374,205	526,346	704,036	(86,041)	281,797	225,929	244,118	(2,385,864)	(236,142)
4	Distribution O&M	46,256	48,017	56,431	36,354	69,458	59,174	45,691	53,155	55,197	43,516	53,935	43,998	59,183	25,754	107,859
5	General O&M	20,674	13,269	5,121	13,136	11,521	32,275	17,124	20,046	14,737	15,161	8,287	16,816	15,559	14,284	13,300
7	Total SC Retail Installation O&M (Sum L3 : L6)	\$ 227,190	\$ 399,809	\$ 694,502	\$ 312,185	\$ 308,086	\$ 469,501	\$ 437,020	\$ 599,547	\$ 773,971	\$ (27,365)	\$ 344,025	\$ 286,743	\$ 318,860	\$ (2,345,827)	\$ (114,983)
8	<b>SC Retail Installation O&amp;M</b>															
24	Depreciation Group	Oct-2022	Nov-2022	Dec-2022	Jan-2023	Feb-2023	Mar-2023	Apr-2023	May-2023	Jun-2023	Jul-2023	Aug-2023	Sep-2023	Oct-2023	Nov-2023	Dec-2023
25	ADMS	43,920	45,617	52,311	35,334	67,557	54,549	41,540	49,405	51,845	37,627	43,971	40,351	41,934	33,260	100,251
27	Communication	2,336	2,400	4,120	1,020	1,900	4,626	4,152	3,750	3,352	5,889	9,964	3,646	17,249	(7,506)	7,608
28	Enterprise Application	20,674	13,269	5,121	13,136	11,521	32,275	17,124	20,046	14,737	15,161	8,287	16,816	15,559	14,284	13,300
29	Energy Storage (Software)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
30	Distribution SC	160,270	338,523	632,654	262,667	227,107	378,047	374,205	526,346	704,036	(86,041)	281,797	225,929	244,118	(2,385,864)	(236,142)
31	Transmission	(10)	-	296	28	-	5	-	-	-	7	-	-	-	-	-
32	Distribution O&M Spend	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
33	Transmission O&M Spend	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
34	Advanced DMS O&M Spend	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
35	Communications O&M Spend	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
36	Enterprise Applications O&M Spend	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

[1] Grid actual plant additions per Finance

[2] Grid forecasted plant additions per Financial Planning

DUKE ENERGY CAROLINAS, LLC  
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Line No.	Description	1	2	3
		2024 Jan-2024	2024 Feb-2024	2024 Mar-2024
1				
2	Sum of SC Retail Installation O&M (L26 : L36)			
3	Transmission O&M	\$ -	\$ -	\$ -
4	Distribution O&M	-	-	-
5	General O&M	-	-	-
6	Intangible O&M	-	-	-
7	Total SC Retail Installation O&M (Sum L3 : L6)	\$ -	\$ -	\$ -
8				
24	SC Retail Installation O&M			
25	Depreciation Group	Jan-2024	Feb-2024	Mar-2024
26	ADMS			
27	Communication			
28	Enterprise Application			
29	Energy Storage (Software)			
30	Distribution SC			
31	Transmission			
32	Distribution O&M Spend			
33	Transmission O&M Spend			
34	Advanced DMS O&M Spend			
35	Communications O&M Spend			
36	Enterprise Applications O&M Spend			

[1] Grid actual plant additions per Finance

[2] Grid forecasted plant additions per Financial Planning

DUKE ENERGY CAROLINAS, LLC  
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Supplemental Direct  
SC5040-5 WACC  
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Cost of debt and equity for deferral periods

Line

No

Effective through May 2019					
	Capitalization Ratio [1]	Approved Cost Rate [1]	Weighted Cost of Capital (WACC)		
			After Tax	Before Tax	
5 Long Term Debt	47.00%	5.28%	2.48%	1.86%	2.48%
6 Equity	53.00%	10.20%	5.41%	5.41%	7.20%
7 Total	<u>100.00%</u>		<u>7.89%</u>	<u>7.27%</u>	<u>9.68%</u>
8					
9 Effective State and Federal Income Tax Rate			24.9500%		
10					
Effective June 2019					
	Capitalization Ratio [2]	Approved Cost Rate [2]	Weighted Cost of Capital (WACC)		
			After Tax	Before Tax	
15 Long Term Debt	47.00%	4.53%	2.13%	1.60%	2.13%
16 Equity	53.00%	9.50%	5.04%	5.04%	6.71%
17 Total	<u>100.00%</u>		<u>7.16%</u>	<u>6.63%</u>	<u>8.84%</u>
18					
19 Effective State and Federal Income Tax Rate			24.9500%		

[1] Cost of capital rates from Docket No. 2013-59-E

[2] Cost of capital rates from Docket No. 2018-319-E

DUKE ENERGY CAROLINAS, LLC  
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 For the Test Period Ending December 31, 2022

Supplemental Direct  
 SC5040-6 Property Taxes  
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Effective property tax rates

Line

No

1	FOR THE 2019 TAX YEAR PAY 2020		
2	BASED ON PROPERTY COSTS AND VALUES AT DECEMBER 31, 2018		
3			
4			
5	<u>Company</u>	<u>States</u>	Effective Tax
6	Duke Energy Carolinas, LLC	North Carolina	Rate Cost 0.40%
7	Duke Energy Carolinas, LLC	South Carolina	1.19%
8	Combined		0.62%
9			
10	FOR THE 2020 TAX YEAR PAY 2021		
11	BASED ON PROPERTY COSTS AND VALUES AT DECEMBER 31, 2019		
12			
13			
14	<u>Company</u>	<u>States</u>	Effective Tax
15	Duke Energy Carolinas, LLC	North Carolina	Rate Cost 0.40%
16	Duke Energy Carolinas, LLC	South Carolina	1.34%
17	Combined		0.66%
18			
19	FOR THE 2021 TAX YEAR PAY 2022		
20	BASED ON PROPERTY COSTS AND VALUES AT DECEMBER 31, 2020		
21			
22			
23	<u>Company</u>	<u>States</u>	Effective Tax
24	Duke Energy Carolinas, LLC	North Carolina	Rate Cost 0.40%
25	Duke Energy Carolinas, LLC	South Carolina	1.34%
26	Combined		0.66%
27			
28	FOR THE 2022 TAX YEAR PAY 2023		
29	BASED ON PROPERTY COSTS AND VALUES AT DECEMBER 31, 2021		
30			
31			
32	<u>Company</u>	<u>States</u>	Effective Tax
33	Duke Energy Carolinas, LLC	North Carolina	Rate Cost 0.43%
34	Duke Energy Carolinas, LLC	South Carolina	1.34%
35	Combined		0.68%

[1] Effective property tax rates per Tax department

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Supplemental Direct  
SC5040-7 Factors  
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Cost of Service Allocations Factors

Line <u>No</u>	<u>Allocation Factor</u>	COS 2018 Used for 2019	COS 2019 Used for 2020	COS 2020 Used for 2021	COS 2021 Used for 2022	COS 2022 Used for 2023
		<u>SC Retail</u>				
1	All - Transmission Demand - Jur	18.2204%	16.9389%	17.2876%	17.5283%	17.5307%
2	All - General Plant - Jur [1]	23.3335%	23.2978%	23.4551%	23.7558%	23.9971%
3	All - Intangible Plant - Jur [1]	23.3335%	22.7451%	22.7053%	23.4860%	23.2213%

[1] Factor All - Intang and Gen Plt - Jur was used in the COS 2018 column

DUKE ENERGY CAROLINAS, LLC  
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Amortize SC AMI costs  
For the Test Period Ending December 31, 2022

Supplemental Direct  
SC5100 Narrative

Detailed Narrative Explanation of Adjustment

This pro forma adjusts amortization expense and income taxes for the amortization of the deferred asset resulting from South Carolina Advanced Metering Infrastructure (AMI) costs placed in service January 2019 until new rates are effective August 1, 2024.

The impact to amortization expense is determined by dividing the South Carolina Retail regulatory asset balance by the amortization period of three years.

The impact to rate base is determined by reducing the cost of capital portion of the regulatory asset for one year of amortization and related accumulated deferred income tax.

The impact to income taxes is determined by multiplying taxable income by the statutory tax rate.

**Supplemental Direct**

Updated page SC5100-2 Deferral to correct the return and asset balance.

DUKE ENERGY CAROLINAS, LLC  
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 Amortize SC AMI costs  
 For the Test Period Ending December 31, 2022  
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Supplemental Direct  
 SC5100 Summary  
 Page 1 of 1

Line No	<u>Impacted Income Statement Line Items</u>	Source	Total	Total	Change
			SC Retail Supplemental Direct	SC Retail Application	
1	Sales of Electricity		\$	-	\$ -
2	Other Revenue				-
3	Electric operating revenue (L1+L2)				-
4					
5	<u>Electric operating expenses:</u>				
6	Operation and maintenance:				
7	Fuel used in electric generation				-
8	Purchased power				-
9	Other operation and maintenance expense				-
10	Depreciation and amortization	SC5100-1	\$ 1,140	\$ 933	207
11	General taxes				-
12	Interest on customer deposits				-
13	EDIT Amortization				-
14	Net income taxes	SC5100-1	(284)	(233)	(52)
15	Amortization of investment tax credit				-
16	Total electric operating expenses (sum(L7:L15))		\$ 856	\$ 700	\$ 155
17					
18	Operating income (L3-L16)		\$ (856)	\$ (700)	\$ (155)
19	<u>Rate Base</u>				
20	Electric plant in service		\$	-	-
21	Accumulated depreciation and amortization				-
22	Net electric plant in service (L20 + L21)				-
23	Construction Work in Progress				-
24	Plant Held for Future Use				-
25	Materials and supplies				-
26	Total Working Capital		2,280	1,866	414
27	Accumulated deferred income taxes		(569)	(466)	(103)
28	Operating reserves				-
29	Total Rate Base (sum(L22:L28))		\$ 1,711	\$ 1,400	\$ 311

DUKE ENERGY CAROLINAS, LLC  
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Supplemental Direct  
 SC5100-1 Calculation  
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<u>Line No.</u>	<u>Description</u>	<u>Total SC Retail</u>
1		
2	<u>Impact to income statement line items</u>	
3	Projected ending balance at July 31, 2024	\$ 3,420 [1]
4	Years to amortize	3
5	Impact to depreciation and amortization (L3 / L4)	\$ 1,140
6		
7	Statutory tax rate	24.95% [2]
8	Impact to income taxes (-L5 x L7)	\$ (284)
9		
10	Impact to operating income (-L5 - L8)	\$ (856)
11		
12	<u>Impact to rate base line items</u>	
13	Regulatory asset for new deferral (L3)	\$ 3,420
14	Less first year of amortization (-L5)	(1,140)
15	Impact to working capital investment (L13 + L14)	\$ 2,280
16		
17	Deferred tax rate	24.95% [2]
18	Impact to accumulated deferred income tax (-L15 x L17)	\$ (569)
19		
20	Impact to rate base (L15 + L18)	\$ 1,711

[1] SC5100-2 Deferral - SC Retail Deferred AMI Regulatory Asset, Line 52

[2] SC1010-4 Tax Rate - 2022 Calculation of Tax Rates, Line 10

DUKE ENERGY CAROLINAS, LLC

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Amortize SC AMI costs

For the Test Period Ending December 31, 2022

Supplemental Direct  
SC5100-2 Deferral  
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Line No.	Month	AMI Meter Depr Rate				Pre Tax LTD Rate				Pre Tax Equity Rate			
		Plant Additions [1]	Plant Balance b=PM+a	Depreciation Expense c = PMb*k/12	Accumulated Depreciation d=PM-c	Net Plant e=b+d	Balance for Return f=(PMe+e)/2	Pre Tax Debt Return g=f*l/12	Pre Tax Equity Return h=f*m/12	Total Return on Investment i=g+h	Total Deferral j=PMj+c+i		
<b>SC Retail Deferred AMI Regulatory Asset</b>													
1	Jan-2019	621,875	621,875	-	-	621,875	310,937	643	1,866	2,509	2,509		
2	Feb-2019	625,655	1,247,530	3,726	(3,726)	1,243,803	932,839	1,929	5,600	7,529	7,529	13,764	
3	Mar-2019	554,853	1,802,383	7,475	(11,201)	1,791,182	1,517,493	3,138	9,109	12,247	12,247	33,486	
4	Apr-2019	566,930	2,369,313	10,799	(22,000)	2,347,313	2,069,247	4,279	12,421	16,700	16,700	60,986	
5	May-2019	334,922	2,704,235	14,196	(36,196)	2,668,039	2,507,676	5,186	15,053	20,239	20,239	95,420	
6	Jun-2019	331,390	3,035,625	16,203	(52,399)	2,983,226	2,825,633	5,013	15,797	20,811	20,811	132,434	
7	Jul-2019	563,745	3,599,370	18,188	(70,588)	3,528,783	3,256,005	5,777	18,203	23,980	23,980	174,603	
8	Aug-2019	592,980	4,192,351	21,566	(92,154)	4,100,197	3,814,490	6,768	21,326	28,094	28,094	224,263	
9	Sep-2019	189,544	4,381,895	25,119	(117,273)	4,264,622	4,182,409	7,421	23,383	30,803	30,803	280,185	
10	Oct-2019	92,081	4,473,975	26,255	(143,528)	4,330,447	4,297,535	7,625	24,026	31,651	31,651	338,091	
11	Nov-2019	87,434	4,561,409	26,807	(170,334)	4,391,075	4,360,761	7,737	24,380	32,117	32,117	397,015	
12	Dec-2019	(1,914)	4,559,495	27,330	(197,665)	4,361,830	4,376,452	7,765	24,468	32,232	32,232	456,577	
13	Jan-2020	-	4,559,495	27,319	(224,984)	4,334,511	4,348,171	7,715	24,309	32,024	32,024	515,921	
14	Feb-2020	-	4,559,495	27,319	(252,303)	4,307,192	4,320,852	7,666	24,157	31,823	31,823	575,062	
15	Mar-2020	-	4,559,495	27,319	(279,622)	4,279,873	4,293,533	7,618	24,004	31,622	31,622	634,003	
16	Apr-2020	-	4,559,495	27,319	(306,941)	4,252,554	4,266,214	7,569	23,851	31,421	31,421	692,743	
17	May-2020	-	4,559,495	27,319	(334,260)	4,225,235	4,238,895	7,521	23,698	31,219	31,219	751,281	
18	Jun-2020	-	4,559,495	27,319	(361,579)	4,197,916	4,211,576	7,472	23,546	31,018	31,018	809,618	
19	Jul-2020	-	4,559,495	27,319	(388,898)	4,170,597	4,184,257	7,424	23,393	30,817	30,817	867,754	
20	Aug-2020	-	4,559,495	27,319	(416,217)	4,143,278	4,156,938	7,375	23,240	30,616	30,616	925,689	
21	Sep-2020	-	4,559,495	27,319	(443,536)	4,115,959	4,129,619	7,327	23,088	30,415	30,415	983,422	
22	Oct-2020	-	4,559,495	27,319	(470,855)	4,088,640	4,102,300	7,279	22,935	30,213	30,213	1,040,954	
23	Nov-2020	-	4,559,495	27,319	(498,174)	4,061,321	4,074,981	7,230	22,782	30,012	30,012	1,098,285	
24	Dec-2020	-	4,559,495	27,319	(525,493)	4,034,002	4,047,662	7,182	22,629	29,811	29,811	1,155,415	
25	Jan-2021	-	4,559,495	27,319	(552,812)	4,006,683	4,020,343	7,133	22,477	29,610	29,610	1,212,344	
26	Feb-2021	(304,584)	4,254,911	27,319	(580,130)	3,674,780	3,840,732	6,814	21,472	28,287	28,287	1,267,950	
27	Mar-2021	(385,540)	3,869,371	25,494	(605,624)	3,263,747	3,469,263	6,155	19,396	25,551	25,551	1,318,995	
28	Apr-2021	-	3,869,371	23,184	(628,808)	3,240,563	3,252,155	5,770	18,182	23,952	23,952	1,366,131	
29	May-2021	-	3,869,371	23,184	(651,992)	3,217,379	3,228,971	5,729	18,052	23,781	23,781	1,413,096	
30	Jun-2021	-	3,869,371	22,184	(674,177)	3,195,194	3,206,287	5,689	17,925	23,614	23,614	1,458,895	
31	Jul-2021	0	3,869,371	22,184	(696,361)	3,173,010	3,184,102	5,649	17,801	23,451	23,451	1,504,530	
32	Aug-2021	-	3,869,371	22,184	(718,546)	3,150,826	3,161,918	5,610	17,677	23,287	23,287	1,550,002	
33	Sep-2021	(563,979)	3,305,392	22,184	(740,730)	2,564,662	2,857,744	5,070	15,977	21,047	21,047	1,593,233	
34	Oct-2021	-	3,305,392	18,951	(759,681)	2,545,711	2,555,186	4,534	14,285	18,819	18,819	1,631,003	
35	Nov-2021	-	3,305,392	18,951	(778,632)	2,526,760	2,536,235	4,500	14,179	18,679	18,679	1,668,633	
36	Dec-2021	-	3,305,392	18,951	(797,583)	2,507,809	2,517,285	4,466	14,073	18,540	18,540	1,706,124	

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										Pre Tax	Pre Tax	
										AMI Meter Depr Rate	LTD Rate	Equity Rate
										k	l	m
SC Retail Deferred AMI Regulatory Asset			Eff. Through 5/2021	6.41% [2]	Eff. Through 5/2019 [3]	2.48% [3]	7.20% [3]	Effective 6/2021	6.66% [2]	Effective 6/2019 [3]	2.13% [3]	6.71% [3]
Line No.	Month	Plant Additions	[1]	Plant Balance b=PM+a	Depreciation Expense c = PMb*k/12	Accumulated Depreciation d=PM-c	Net Plant e=b+d	Balance for Return f=(PMe+e)/2	Pre Tax Debt Return g=f*l/12	Pre Tax Equity Return h=f*m/12	Total Return on Investment i=g+h	Total Deferral j=PMj+c+i
37	Jan-2022	-	3,305,392	18,951	(816,534)	2,488,858	2,498,334	4,433	13,967	18,400	1,743,475	
38	Feb-2022	-	3,305,392	18,951	(835,485)	2,469,907	2,479,383	4,399	13,862	18,261	1,780,686	
39	Mar-2022	-	3,305,392	18,951	(854,435)	2,450,956	2,460,432	4,365	13,756	18,121	1,817,758	
40	Apr-2022	-	3,305,392	18,951	(873,386)	2,432,005	2,441,481	4,332	13,650	17,981	1,854,691	
41	May-2022	-	3,305,392	18,951	(892,337)	2,413,055	2,422,530	4,298	13,544	17,842	1,891,483	
42	Jun-2022	-	3,305,392	18,951	(911,288)	2,394,104	2,403,579	4,265	13,438	17,702	1,928,137	
43	Jul-2022	-	3,305,392	18,951	(930,239)	2,375,153	2,384,628	4,231	13,332	17,563	1,964,650	
44	Aug-2022	-	3,305,392	18,951	(949,190)	2,356,202	2,365,677	4,197	13,226	17,423	2,001,024	
45	Sep-2022	-	3,305,392	18,951	(968,141)	2,337,251	2,346,726	4,164	13,120	17,284	2,037,259	
46	Oct-2022	-	3,305,392	18,951	(987,092)	2,318,300	2,327,775	4,130	13,014	17,144	2,073,354	
47	Nov-2022	-	3,305,392	18,951	(1,006,043)	2,299,349	2,308,825	4,096	12,908	17,004	2,109,309	
48	Dec-2022	-	3,305,392	18,951	(1,024,994)	2,280,398	2,289,874	4,063	12,802	16,865	2,145,125	
49	Jan-2023	-	3,305,392	18,951	(1,043,945)	2,261,447	2,270,923	4,029	12,696	16,725	2,180,801	
50	Feb-2023	-	3,305,392	18,951	(1,062,895)	2,242,496	2,251,972	3,996	12,590	16,586	2,216,337	
51	Mar-2023	-	3,305,392	18,951	(1,081,846)	2,223,545	2,233,021	3,962	12,484	16,446	2,251,734	
52	Apr-2023	-	3,305,392	18,951	(1,100,797)	2,204,595	2,214,070	3,928	12,378	16,307	2,286,992	
53	May-2023	-	3,305,392	18,951	(1,119,748)	2,185,644	2,195,119	3,895	12,272	16,167	2,322,110	
54	Jun-2023	-	3,305,392	18,951	(1,138,699)	2,166,693	2,176,168	3,861	12,166	16,027	2,357,088	
55	Jul-2023	-	3,305,392	18,951	(1,157,650)	2,147,742	2,157,217	3,827	12,060	15,888	2,391,927	
56	Aug-2023	-	3,305,392	18,951	(1,176,601)	2,128,791	2,138,266	3,794	11,954	15,748	2,426,626	
57	Sep-2023	-	3,305,392	18,951	(1,195,552)	2,109,840	2,119,315	3,760	11,848	15,609	2,461,186	
58	Oct-2023	-	3,305,392	18,951	(1,214,503)	2,090,889	2,100,365	3,727	11,743	15,469	2,495,606	
59	Nov-2023	-	3,305,392	18,951	(1,233,454)	2,071,938	2,081,414	3,693	11,637	15,330	2,529,886	
60	Dec-2023	-	3,305,392	18,951	(1,252,405)	2,052,987	2,062,463	3,659	11,531	15,190	2,564,027	
61	Jan-2024	-	3,305,392	18,951	(1,271,355)	2,034,036	2,043,512	3,626	11,425	15,050	2,598,028	
62	Feb-2024	-	3,305,392	18,951	(1,290,306)	2,015,085	2,024,561	3,592	11,319	14,911	2,631,890	
63	Mar-2024	-	3,305,392	18,951	(1,309,257)	1,996,135	2,005,610	3,558	11,213	14,771	2,665,612	
64	Apr-2024	-	3,305,392	18,951	(1,328,208)	1,977,184	1,986,659	3,525	11,107	14,632	2,699,195	
65	May-2024	-	3,305,392	18,951	(1,347,159)	1,958,233	1,967,708	3,491	11,001	14,492	2,732,638	
66	Jun-2024	-	3,305,392	18,951	(1,366,110)	1,939,282	1,948,757	3,458	10,895	14,353	2,765,941	
67	Jul-2024	-	3,305,392	18,951	(1,385,061)	1,920,331	1,929,806	3,424	10,789	14,213	2,799,105	
68	Aug-2024	-	\$ 3,305,392	\$ 1,385,061				\$ 341,557	\$ 1,072,487	\$ 1,414,044	\$ 2,799,105	
69												

[1] SC AMI plant additions per Asset Accounting

[2] 370.02 - AMI Meter depreciation rates per Asset Accounting

[3] SC5100-3 Cost of debt and equity for deferral periods

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Line No.	Month	SC Retail				After Tax LTD Rate  Eff. Through 5/2019 Effective 6/2019	After Tax Equity Rate  r 1.86% [3] 1.60% [3]	s 5.41% [3] 5.04% [3]
		Beginning Balance k=PMq	Return on Investment l=i	Depreciation Expense m=c	Balance for Return n=k+(l+m)/2			
70	Jan-2019	-	2,509	-	1,255	2	6	2,517
71	Feb-2019	2,517	7,529	3,726	8,144	13	37	13,821
72	Mar-2019	13,821	12,247	7,475	23,682	37	107	33,686
73	Apr-2019	33,686	16,700	10,799	47,436	74	214	61,473
74	May-2019	61,473	20,239	14,196	78,691	122	355	96,385
75	Jun-2019	96,385	20,811	16,203	114,891	153	482	134,033
76	Jul-2019	134,033	23,980	18,188	155,118	207	651	177,060
77	Aug-2019	177,060	28,094	21,566	201,889	269	847	227,835
78	Sep-2019	227,835	30,803	25,119	255,797	341	1,073	285,172
79	Oct-2019	285,172	31,651	26,255	314,125	418	1,318	344,814
80	Nov-2019	344,814	32,117	26,807	374,276	498	1,570	405,806
81	Dec-2019	405,806	32,232	27,330	435,588	580	1,828	467,777
82	Jan-2020	467,777	32,024	27,319	497,448	662	2,087	529,869
83	Feb-2020	529,869	31,823	27,319	559,440	745	2,347	592,104
84	Mar-2020	592,104	31,622	27,319	621,574	828	2,608	654,480
85	Apr-2020	654,480	31,421	27,319	683,850	911	2,869	716,999
86	May-2020	716,999	31,219	27,319	746,269	994	3,131	779,663
87	Jun-2020	779,663	31,018	27,319	808,831	1,077	3,394	842,470
88	Jul-2020	842,470	30,817	27,319	871,538	1,161	3,657	905,424
89	Aug-2020	905,424	30,616	27,319	934,391	1,244	3,921	968,523
90	Sep-2020	968,523	30,415	27,319	997,390	1,328	4,185	1,031,770
91	Oct-2020	1,031,770	30,213	27,319	1,060,536	1,412	4,450	1,095,164
92	Nov-2020	1,095,164	30,012	27,319	1,123,829	1,496	4,715	1,158,707
93	Dec-2020	1,158,707	29,811	27,319	1,187,272	1,581	4,982	1,222,399
94	Jan-2021	1,222,399	29,610	27,319	1,250,864	1,666	5,248	1,286,242
95	Feb-2021	1,286,242	28,287	27,319	1,314,045	1,750	5,514	1,349,111
96	Mar-2021	1,349,111	25,551	25,494	1,374,634	1,830	5,768	1,407,754
97	Apr-2021	1,407,754	23,952	23,184	1,431,322	1,906	6,006	1,462,802
98	May-2021	1,462,802	23,781	23,184	1,486,284	1,979	6,236	1,517,982
99	Jun-2021	1,517,982	23,614	22,184	1,540,882	2,052	6,465	1,572,298
100	Jul-2021	1,572,298	23,451	22,184	1,595,116	2,124	6,693	1,626,750
101	Aug-2021	1,626,750	23,287	22,184	1,649,486	2,196	6,921	1,681,339
102	Sep-2021	1,681,339	21,047	22,184	1,702,955	2,268	7,145	1,733,984
103	Oct-2021	1,733,984	18,819	18,951	1,752,869	2,334	7,355	1,781,442
104	Nov-2021	1,781,442	18,679	18,951	1,800,257	2,397	7,554	1,829,023
105	Dec-2021	1,829,023	18,540	18,951	1,847,769	2,460	7,753	1,876,727

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Line No.	Month	SC Retail				After Tax Debt Return $o=n^*r/12$	After Tax Equity Return $p=n^*s/12$	Ending Balance $q=k+l+m+o+p$		
		Beginning Balance $k=PMq$	Return on Investment $l=i$	Depreciation Expense $m=c$	Balance for Return $n=k+(l+m)/2$					
		Eff. Through 5/2019 Effective 6/2019								
<b>SC Retail Deferred AMI Regulatory Asset</b>										
Line No.	Month	Beginning Balance $k=PMq$	Return on Investment $l=i$	Depreciation Expense $m=c$	Balance for Return $n=k+(l+m)/2$	After Tax Debt Return $o=n^*r/12$	After Tax Equity Return $p=n^*s/12$	Ending Balance $q=k+l+m+o+p$		
106	Jan-2022	1,876,727	18,400	18,951	1,895,403	2,524	7,953	1,924,555		
107	Feb-2022	1,924,555	18,261	18,951	1,943,161	2,587	8,153	1,972,507		
108	Mar-2022	1,972,507	18,121	18,951	1,991,043	2,651	8,354	2,020,584		
109	Apr-2022	2,020,584	17,981	18,951	2,039,050	2,715	8,556	2,068,787		
110	May-2022	2,068,787	17,842	18,951	2,087,184	2,779	8,757	2,117,117		
111	Jun-2022	2,117,117	17,702	18,951	2,135,443	2,844	8,960	2,165,573		
112	Jul-2022	2,165,573	17,563	18,951	2,183,830	2,908	9,163	2,214,158		
113	Aug-2022	2,214,158	17,423	18,951	2,232,345	2,973	9,367	2,262,871		
114	Sep-2022	2,262,871	17,284	18,951	2,280,988	3,037	9,571	2,311,714		
115	Oct-2022	2,311,714	17,144	18,951	2,329,761	3,102	9,775	2,360,686		
116	Nov-2022	2,360,686	17,004	18,951	2,378,664	3,167	9,980	2,409,789		
117	Dec-2022	2,409,789	16,865	18,951	2,427,697	3,233	10,186	2,459,024		
118	Jan-2023	2,459,024	16,725	18,951	2,476,862	3,298	10,392	2,508,391		
119	Feb-2023	2,508,391	16,586	18,951	2,526,159	3,364	10,599	2,557,890		
120	Mar-2023	2,557,890	16,446	18,951	2,575,589	3,430	10,807	2,607,524		
121	Apr-2023	2,607,524	16,307	18,951	2,625,152	3,496	11,015	2,657,291		
122	May-2023	2,657,291	16,167	18,951	2,674,850	3,562	11,223	2,707,194		
123	Jun-2023	2,707,194	16,027	18,951	2,724,683	3,628	11,432	2,757,233		
124	Jul-2023	2,757,233	15,888	18,951	2,774,652	3,695	11,642	2,807,408		
125	Aug-2023	2,807,408	15,748	18,951	2,824,758	3,761	11,852	2,857,721		
126	Sep-2023	2,857,721	15,609	18,951	2,875,001	3,828	12,063	2,908,172		
127	Oct-2023	2,908,172	15,469	18,951	2,925,382	3,895	12,274	2,958,762		
128	Nov-2023	2,958,762	15,330	18,951	2,975,902	3,963	12,486	3,009,491		
129	Dec-2023	3,009,491	15,190	18,951	3,026,562	4,030	12,699	3,060,361		
130	Jan-2024	3,060,361	15,050	18,951	3,077,362	4,098	12,912	3,111,372		
131	Feb-2024	3,111,372	14,911	18,951	3,128,303	4,166	13,126	3,162,526		
132	Mar-2024	3,162,526	14,771	18,951	3,179,387	4,234	13,340	3,213,821		
133	Apr-2024	3,213,821	14,632	18,951	3,230,613	4,302	13,555	3,265,261		
134	May-2024	3,265,261	14,492	18,951	3,281,983	4,370	13,771	3,316,845		
135	Jun-2024	3,316,845	14,353	18,951	3,333,497	4,439	13,987	3,368,574		
136	Jul-2024	3,368,574	14,213	18,951	3,385,156	4,508	14,204	3,420,449		
137	Aug-2024									
138										
139		<u>1,414,044</u>	<u>1,385,061</u>		<u>149,699</u>	<u>471,645</u>	<u>3,420,449</u>			

- [1] SC AMI plant additions per Asset Accounting
- [2] 370.02 - AMI Meter depreciation rates per Asset Accounting
- [3] SC5100-3 Cost of debt and equity for deferral periods

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Cost of debt and equity for deferral periods

Line No.	Effective through May 2019				
	Capitalization Ratio [1]	Approved Cost Rate [1]	Weighted Cost of Capital (WACC)		
			After Tax	Before Tax	
5 Long Term Debt	47.00%	5.28%	2.48%	1.86%	2.48%
6 Equity	53.00%	10.20%	5.41%	5.41%	7.20%
7 Total	<u>100.00%</u>		<u>7.89%</u>	<u>7.27%</u>	<u>9.68%</u>
8					
9 Effective State and Federal Income Tax Rate			24.9500%		
10	Effective June 2019				
11	Capitalization Ratio [2]	Approved Cost Rate [2]	Weighted Cost of Capital (WACC)		
12			After Tax	Before Tax	
15 Long Term Debt	47.00%	4.53%	2.13%	1.60%	2.13%
16 Equity	53.00%	9.50%	5.04%	5.04%	6.71%
17 Total	<u>100.00%</u>		<u>7.16%</u>	<u>6.63%</u>	<u>8.84%</u>
18					
19 Effective State and Federal Income Tax Rate			24.9500%		

[1] Cost of capital rates from Docket No. 2013-59-E

[2] Cost of capital rates from Docket No. 2018-319-E

DUKE ENERGY CAROLINAS, LLC  
Docket No. 2023-388-E  
Amortize Customer Connect  
For the Test Period Ending December 31, 2022

Supplemental Direct  
SC5120 Narrative

Detailed Narrative Explanation of Adjustment

This pro forma adjusts depreciation and amortization expense associated with the regulatory asset related to Tranche 2 Customer Connect expense to develop, build and deploy Customer Connect. Tranche 1 was included in Docket No. 2018-319-E. This project is a multi year project that started in 2016. The project consolidates four legacy billing systems into one customer service platform. The Company has proposed a three-year amortization period.

The impact to income taxes is determined by multiplying taxable income by the statutory tax rate.

Supplemental Direct: Updated ROR in SC5120-3 to correctly capture after-tax rate of return.

DUKE ENERGY CAROLINAS, LLC  
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(Dollars in thousands)

Supplemental Direct  
SC5120 Summary

Line No	<u>Impacted Income Statement Line Items</u>	Source	Total	Total	Change
			NC Retail Supplemental Direct	NC Retail Application	
1	Sales of Electricity		\$ -	\$ -	-
2	Other Revenue		\$ -	\$ -	-
3	Electric operating revenue (L1+L2)		\$ -	\$ -	-
4					
5	<u>Electric operating expenses:</u>				
6	Operation and maintenance:				
7	Fuel used in electric generation				
8	Purchased power				
9	Other operation and maintenance expense				
10	Depreciation and amortization	NC5120-1	2,877	2,938	(60)
11	General taxes				
12	Interest on customer deposits				
13	EDIT Amortization				
14	Net income taxes	NC5120-1	\$ (718)	\$ (733)	15
15	Amortization of investment tax credit				
16	Total electric operating expenses (sum(L7:L15))		\$ 2,159	\$ 2,205	\$ (45)
17					
18	Operating income (L3-L16)		\$ (2,159)	\$ (2,205)	45
19	<u>Rate Base</u>				
20	Electric plant in service		\$ -	\$ -	-
21	Accumulated depreciation and amortization		\$ -	\$ -	-
22	Net electric plant in service (L20 + L21)		\$ -	\$ -	-
23	Construction Work in Progress		\$ -	\$ -	-
24	Plant Held for Future Use		\$ -	\$ -	-
25	Materials and supplies		\$ -	\$ -	-
26	Total Working Capital	NC5120-1	\$ 5,755	\$ 5,876	\$ (121)
27	Accumulated deferred income taxes	NC5120-1	\$ (1,436)	\$ (1,466)	30
28	Operating reserves		\$ -	\$ -	-
29	Total Rate Base (sum L22:L28)		\$ 4,319	\$ 4,410	\$ (91)

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Supplemental Direct  
 SC5120-1 Cust Connect Amort

<u>Line No.</u>	<u>Description</u>	<u>Total NC Retail</u>
1		
2	Projected Ending Balance - rates effective date	\$ 8,632 [1]
3		
4	Balance for Amortization	\$ 8,632
5		
6	Years to Amortize	3.0
7		
8	Adjust Depreciation and Amortization (L4 / L6)	\$ 2,877
9		
10	Statutory tax rate	24.95% [2]
11		
12	Impact to income taxes (-L8 x L10)	\$ (718)
13		
14	Impact to operating income (-L8 -L12)	\$ (2,159)
15		
16	<u>Impact to Rate Base</u>	
17		
18	Cost of Service Customer Connect Deferral in Rate Base 12/31/2022	\$ - [3]
19		
20	Projected Customer Connect for Rate Base - at capital cutoff date (L2)	8,632
21	Less: One-year of working capital	(2,877)
22	Adjusted Customer Connect Deferral Balance in rate base	5,755
23		
24	Impact to working capital investment (L22- L20)	\$ 5,755
25		
26	Impact to accumulated deferred income tax (-L24x L10)	\$ (1,436)
27		
28	Impact to rate base (L24 + L26)	\$ 4,319

[1] Calculation of Deferral - Projected Ending Balance - Customer Connect Tranche 2 - Line 62

[2] NC1010-4 - 2022 Calculation of Tax Rates - Statutory Tax Rate, Line 10

[3] Account 0182541 balance not included in rate base in December 31, 2022 Cost of Service

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Supplemental Direct  
 SC5120-2 Deferral Calc  
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Calculation of Deferral - Projected Ending Balance - Customer Connect Tranche 2

Line No.	Date	SC Retail		Balance for Return	Return	Ending Balance E = (PM) + B +
		Beginning Base	Monthly Deferral amount [1]			
1		A	B	C = J (PM) + B/2	D	D
2	Jan-19	-	573,679	286,839	1,737	575,416
3	Feb-19	575,416	(75,026)	537,903	3,258	503,648
4	Mar-19	503,648	508,712	758,004	4,591	1,016,951
5	Apr-19	1,016,951	316,467	1,175,185	7,118	1,340,536
6	May-19	1,340,536	344,305	1,512,689	9,162	1,694,004
7	Jun-19	1,694,004	-	1,694,004	9,363	1,703,367 [2]
8	Jul-19	1,703,367	-	1,703,367	9,415	1,712,782
9	Aug-19	1,712,782	-	1,712,782	9,467	1,722,250
10	Sep-19	1,722,250	-	1,722,250	9,520	1,731,769
11	Oct-19	1,731,769	-	1,731,769	9,572	1,741,341
12	Nov-19	1,741,341	-	1,741,341	9,625	1,750,966
13	Dec-19	1,750,966	108,489	1,805,211	9,978	1,869,434
14	Jan-20	1,869,434	-	1,869,434	10,333	1,879,767
15	Feb-20	1,879,767	-	1,879,767	10,390	1,890,157
16	Mar-20	1,890,157	-	1,890,157	10,448	1,900,605
17	Apr-20	1,900,605	-	1,900,605	10,505	1,911,110
18	May-20	1,911,110	-	1,911,110	10,563	1,921,674
19	Jun-20	1,921,674	-	1,921,674	10,622	1,932,296
20	Jul-20	1,932,296	-	1,932,296	10,681	1,942,976
21	Aug-20	1,942,976	-	1,942,976	10,740	1,953,716
22	Sep-20	1,953,716	-	1,953,716	10,799	1,964,515
23	Oct-20	1,964,515	485,106	2,207,068	12,199	2,461,820
24	Nov-20	2,461,820	827,280	2,875,460	15,894	3,304,994
25	Dec-20	3,304,994	1,267,898	3,938,943	21,772	4,594,664
26	Jan-21	4,594,664	-	4,594,664	25,397	4,620,060
27	Feb-21	4,620,060	-	4,620,060	25,537	4,645,597
28	Mar-21	4,645,597	-	4,645,597	25,678	4,671,275
29	Apr-21	4,671,275	63,418	4,702,984	25,995	4,760,689 [3]
30	May-21	4,760,689	1,177,150	5,349,264	29,568	5,967,407
31	Jun-21	5,967,407	891,035	6,412,924	35,447	6,893,889
32	Jul-21	6,893,889	-	6,893,889	38,105	6,931,994
33	Aug-21	6,931,994	-	6,931,994	38,316	6,970,310
34	Sep-21	6,970,310	147,571	7,044,095	38,936	7,156,816 [3]
35	Oct-21	7,156,816	-	7,156,816	39,559	7,196,375
36	Nov-21	7,196,375	-	7,196,375	39,777	7,236,152
37	Dec-21	7,236,152	-	7,236,152	39,997	7,276,149
38	Jan-22	7,276,149	-	7,276,149	40,218	7,316,368
39	Feb-22	7,316,368	-	7,316,368	40,441	7,356,808
40	Mar-22	7,356,808	-	7,356,808	40,664	7,397,472
41	Apr-22	7,397,472	-	7,397,472	40,889	7,438,361
42	May-22	7,438,361	-	7,438,361	41,115	7,479,476
43	Jun-22	7,479,476	-	7,479,476	41,342	7,520,818
44	Jul-22	7,520,818	-	7,520,818	41,571	7,562,389
45	Aug-22	7,562,389	-	7,562,389	41,800	7,604,189
46	Sep-22	7,604,189	-	7,604,189	42,031	7,646,221
47	Oct-22	7,646,221	-	7,646,221	42,264	7,688,484
48	Nov-22	7,688,484	-	7,688,484	42,497	7,730,982
49	Dec-22	7,730,982	-	7,730,982	42,732	7,773,714
50	Jan-23	7,773,714	-	7,773,714	42,968	7,816,683
51	Feb-23	7,816,683	-	7,816,683	43,206	7,859,888
52	Mar-23	7,859,888	-	7,859,888	43,445	7,903,333
53	Apr-23	7,903,333	-	7,903,333	43,685	7,947,018
54	May-23	7,947,018	-	7,947,018	43,926	7,990,945
55	Jun-23	7,990,945	-	7,990,945	44,169	8,035,114
56	Jul-23	8,035,114	-	8,035,114	44,413	8,079,527
57	Aug-23	8,079,527	-	8,079,527	44,659	8,124,186

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 SC5120-2 Deferral Calc  
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58	Sep-23	8,124,186	-	8,124,186	44,906	8,169,092
59	Oct-23	8,169,092	-	8,169,092	45,154	8,214,246
60	Nov-23	8,214,246	-	8,214,246	45,403	8,259,649
61	Dec-23	8,259,649	-	8,259,649	45,654	8,305,304
62	Jan-24	8,305,304	-	8,305,304	45,907	8,351,210
63	Feb-24	8,351,210	-	8,351,210	46,161	8,397,371
64	Mar-24	8,397,371	-	8,397,371	46,416	8,443,787
65	Apr-24	8,443,787	-	8,443,787	46,672	8,490,459
66	May-24	8,490,459	-	8,490,459	46,930	8,537,389
67	Jun-24	8,537,389	-	8,537,389	47,190	8,584,579
68	Jul-24	8,584,579	-	8,584,579	47,450	8,632,029
69		6,636,083			1,995,946	8,632,029

Docket No. 2013-59- Docket No. 2018-319-

DEC cost of capital	E	E
	ROR	ROR
After tax rate	7.27%	6.63% [2]
Divided by 12 for monthly rate	0.61%	0.55% [2]

[1] SC5120-3 - Summary of Monthly Expenditures for Customer Connect Tranche 2

[2] Latest approved DEC cost of capital. New rates were effective in Docket No. 2018-319-E on June 1, 2019.

[3] Customer Connect in-service date - 4/05/2021 - warranty period through June 2021. There was a correcting general ledger entry made after the warranty period in September 2021 that has been included.

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Supplemental Direct  
 SC5120-3 Cust Connect Exp

Summary of Monthly Expenditures for Customer Connect Tranche 2 [1][2]

Line No.	<u>Month</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>Total</u>
1					
2					
3					
4	January	573,679	-	-	
5	February	(75,026)	-	-	
6	March	508,712	-	-	
7	April	316,467	-	63,418	
8	May	344,305	-	1,177,150	
9	June	-	-	891,035	
10	July	-	-	-	
11	August	-	-	-	
12	September	-	-	147,571	
13	October	-	485,106	-	
14	November	-	827,280	-	
15	December	108,489	1,267,898	-	
16	Annual Total	\$ 1,776,626	\$ 2,580,284	\$ 2,279,174	\$ 6,636,083

[1] Actuals provided by DEC Accounting on a South Carolina retail basis

[2] The three month warranty period ended in June 2021, therefore the deferral of Customer Connect costs ended. There was one true-up entry for that period made in September 2021, as expenses from June 2021 came in higher than the amounts accrued.

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DUKE ENERGY CAROLINAS, LLC  
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Amortize SC Act No. 62 costs  
For the Test Period Ending December 31, 2022

Supplemental Direct  
SC5140 Narrative

Detailed Narrative Explanation of Adjustment

This pro forma adjusts operation and maintenance (O&M) expense and income taxes for the amortization of deferred costs related to implementing South Carolina Act No. 62 ("Act 62").

The impact to O&M expense is determined by dividing the total of the actual deferred costs through December 2023 by three years.

The impact to income taxes is determined by multiplying taxable income by the statutory tax rate.

The impact to rate base is determined by reducing the regulatory asset for one year of amortization and accumulated deferred income taxes.

**Supplemental Direct**

Updated actuals through December 2023.

DUKE ENERGY CAROLINAS, LLC  
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Amortize SC Act No. 62 costs  
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Supplemental Direct  
SC5140 Summary  
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Line No	<u>Impacted Income Statement Line Items</u>	Source	Total	Total	Change
			SC Retail	SC Retail	
1	Sales of Electricity		\$	-	\$ -
2	Other Revenue				
3	Electric operating revenue (L1+L2)				
4					
5	<u>Electric operating expenses:</u>				
6	Operation and maintenance:				
7	Fuel used in electric generation				
8	Purchased power				
9	Other operation and maintenance expense	SC5140-1		1,212	1,253
10	Depreciation and amortization				(41)
11	General taxes				
12	Interest on customer deposits				
13	EDIT Amortization				
14	Net income taxes	SC5140-1		(302)	(313)
15	Amortization of investment tax credit				10
16	Total electric operating expenses (Sum (L7:L15))		\$ 910	\$ 941	\$ (31)
17					
18	Operating income (L3-L16)		\$ (910)	\$ (941)	\$ 31
19	<b>Rate Base</b>	Source	Total	Total	
20	Electric plant in service	\$	-	\$ -	\$ -
21	Accumulated depreciation and amortization	\$	-	\$ -	\$ -
22	Net electric plant in service (L20 + L21)	\$	-	\$ -	\$ -
23	Construction Work in Progress	\$	-	\$ -	\$ -
24	Plant Held for Future Use	\$	-	\$ -	\$ -
25	Materials and supplies	\$	-	\$ -	\$ -
26	Total Working Capital	SC5140-1 \$	112	\$ 194	\$ (82)
27	Accumulated deferred income taxes	SC5140-1 \$	(28)	\$ (48)	\$ 21
28	Operating reserves	\$	-	\$ -	\$ -
29	Total Rate Base (Sum L22:L27)	\$	84	\$ 146	\$ (62)

DUKE ENERGY CAROLINAS, LLC  
 Docket No. 2023-388-E  
 Amortize SC Act No. 62 costs  
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Supplemental Direct  
 SC5140-1 Calculation  
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<u>Line No.</u>	<u>Description</u>	<u>Total SC Retail</u>
1		
2	<u>Impact to income statement</u>	
3	SC Act No. 62 deferred costs	\$ 3,636 [1]
4	Amortization period in years	3
5	Impact to O&M (L3 / L4)	<u>\$ 1,212</u>
6		
7	Statutory tax rate	24.95% [2]
8	Impact to income taxes (-L5 x L7)	<u>\$ (302)</u>
9		
10	Impact to operating income (-L5 - L8)	<u>\$ (910)</u>
11		
12	<u>Impact to rate base</u>	
13	SC Act No. 62 deferred expenses (L3)	\$ 3,636
14	Less balance in Cost of Service rate base	(2,312) [3]
15	Less first year of amortization (-L5)	(1,212)
16	Impact to working capital (L13 + L14 + L15)	<u>\$ 112</u>
17		
18	Deferred tax rate	24.95% [2]
19	Impact to accumulated deferred income taxes (-L16 x L18)	<u>\$ (28)</u>
20		
21	Impact to rate base (L16 + L19)	<u>\$ 84</u>

[1] SC5140-2 Deferral - Deferred expenses related to implementing SC Act No. 62, Line 56

[2] SC1010-4 Tax Rate - 2022 Calculation of Tax Rates, Line 10

[3] Cost of Service Account 0182572 - SC H3659 Implementation 12/31/2022 balance

DUKE ENERGY CAROLINAS, LLC  
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Supplemental Direct  
 SC5140-2 Deferral  
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Deferred expenses related to implementing SC Act No. 62

No.	Description	Account	Account	Total
		186046	182572	SC Retail
		Column A	Column B	Column A + B
1				
2	Jul-2019		\$ 117	\$ 117
3	Aug-2019		\$ 22,269	\$ 22,269
4	Sep-2019		\$ 41,283	\$ 41,283
5	Oct-2019		\$ 49,418	\$ 49,418
6	Nov-2019	\$ 64,499	\$ 152,395	\$ 216,894
7	Dec-2019	\$ 1,800	\$ 49,017	\$ 50,817
8	Jan-2020	\$ 270	\$ 27,230	\$ 27,500
9	Feb-2020		\$ 17,883	\$ 17,883
10	Mar-2020	\$ 653	\$ 51,330	\$ 51,983
11	Apr-2020	\$ 450	\$ 62,206	\$ 62,656
12	May-2020	\$ 2,926	\$ 29,094	\$ 32,020
13	Jun-2020	\$ 1,300	\$ 46,062	\$ 47,362
14	Jul-2020		\$ 23,352	\$ 23,352
15	Aug-2020	\$ 2,981	\$ 46,331	\$ 49,313
16	Sep-2020		\$ 30,540	\$ 30,540
17	Oct-2020	\$ 1,350	\$ 34,667	\$ 36,017
18	Nov-2020	\$ 23,184	\$ 63,296	\$ 86,479
19	Dec-2020	\$ 8,840	\$ 119,049	\$ 127,888
20	Jan-2021		\$ 55,452	\$ 55,452
21	Feb-2021	\$ 14,583	\$ 87,152	\$ 101,735
22	Mar-2021	\$ 3,360	\$ 124,442	\$ 127,802
23	Apr-2021	\$ 15,812	\$ 39,455	\$ 55,267
24	May-2021	\$ 2,108	\$ 301,851	\$ 303,958
25	Jun-2021	\$ -	\$ 15,508	\$ 15,508
26	Jul-2021	\$ 13,088	\$ 91,589	\$ 104,677
27	Aug-2021		\$ 120,007	\$ 120,007
28	Sep-2021		\$ 36,873	\$ 36,873
29	Oct-2021		\$ 55,517	\$ 55,517
30	Nov-2021		\$ 21,338	\$ 21,338
31	Dec-2021		\$ 77,006	\$ 77,006
32	Jan-2022		\$ 18,844	\$ 18,844
33	Feb-2022		\$ 29,266	\$ 29,266
34	Mar-2022		\$ 17,055	\$ 17,055
35	Apr-2022		\$ 38,805	\$ 38,805
36	May-2022		\$ 23,992	\$ 23,992
37	Jun-2022		\$ 11,700	\$ 11,700
38	Jul-2022		\$ 22,006	\$ 22,006
39	Aug-2022		\$ 14,095	\$ 14,095
40	Sep-2022		\$ 45,533	\$ 45,533
41	Oct-2022		\$ 23,527	\$ 23,527
42	Nov-2022		\$ 10,412	\$ 10,412
43	Dec-2022		\$ 105,361	\$ 105,361
44	Jan-2023		\$ -	\$ -
45	Feb-2023		\$ 63,383	\$ 63,383
46	Mar-2023		\$ 59,456	\$ 59,456
47	Apr-2023		\$ 85,409	\$ 85,409
48	May-2023		\$ 127,572	\$ 127,572
49	Jun-2023		\$ 79,206	\$ 79,206
50	Jul-2023		\$ 118,051	\$ 118,051
51	Aug-2023		\$ 152,684	\$ 152,684
52	Sep-2023		\$ 130,850	\$ 130,850
53	Oct-2023		\$ 136,412	\$ 136,412
54	Nov-2023		\$ 162,129	\$ 162,129
55	Dec-2023		\$ 111,329	\$ 111,329
56	Total Actual deferred costs (Sum L2: L55)			\$ 3,636,012 [1]
57				
58	Projected deferred costs remaining			\$ -
59	Total deferred costs (L53 + L55)			<u>\$ 3,636,012</u>

[1] Deferred SC Act No. 62 costs in Accounts 0186046 and 0182572 - SC H3659 Implementation, excluding accruals and mischarges

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Supplemental Direct  
SC5150 Narrative

DUKE ENERGY CAROLINAS, LLC  
Docket No. 2023-388-E  
Amortize Residential credit card fees  
For the Test Period Ending December 31, 2022

Detailed Narrative Explanation of Adjustment

This pro forma adjusts operation and maintenance (O&M) expense and income taxes for:

1. The amortization of deferred costs related to credit card fees over the amount in rates as per Order No. 2019-455;
2. Normalizes the test period of 2022 for actual residential credit card fees - deferral will be discontinued.

The impact to income taxes is determined by multiplying taxable income by the statutory tax rate.

The impact to rate base is determined by reducing the regulatory asset for one year of amortization and accumulated deferred income taxes.

**Supplemental Direct:**

True-up of projection for Q4 2023 - actual credit card fees deferred - SC5150-3

Update of Rate of Return in calculation - SC5150-2

DUKE ENERGY CAROLINAS, LLC  
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Amortize Residential credit card fees  
For the Test Period Ending December 31, 2022  
(Dollars in thousands)

Supplemental Direct  
SC5150 Summary

Line No	<b><u>Impacted Income Statement Line Items</u></b>	Source	Total	Total	Change
			SC Retail	SC Retail	
		Supplemental Direct	Application		
1	Sales of Electricity		\$	-	\$ -
2	Other Revenue				
3	Electric operating revenue (L1+L2)				
4					
5	<u>Electric operating expenses:</u>				
6	Operation and maintenance:				
7	Fuel used in electric generation				
8	Purchased power				
9	Other operation and maintenance expense	SC5150-1	1,351	1,360	(9)
10	Depreciation and amortization				
11	General taxes				
12	Interest on customer deposits				
13	EDIT Amortization				
14	Net income taxes	SC5150-1	(337)	(339)	2
15	Amortization of investment tax credit				
16	Total electric operating expenses (sum(L7:L15)		\$ 1,014	\$ 1,021	\$ (7)
17					
18	Operating income (L3-L16)		\$ (1,014)	\$ (1,021)	\$ 7
19	<b><u>Rate Base</u></b>		Total	Total	
20	Electric plant in service		SC Retail	SC Retail	
21	Accumulated depreciation and amortization		Supplemental Direct	Application	Change
22	Net electric plant in service (L20 + L21)		\$ -	\$ -	\$ -
23	Construction Work in Progress		\$ -	\$ -	\$ -
24	Plant Held for Future Use		\$ -	\$ -	\$ -
25	Materials and supplies		\$ -	\$ -	\$ -
26	Total Working Capital	SC5150-1	1,741	\$ 1,758	\$ (17)
27	Accumulated deferred income taxes	SC5150-1	(434)	\$ (439)	\$ 4
28	Operating reserves		\$ -	\$ -	\$ -
29	Total Rate Base (sum L22:L28)		\$ 1,306	\$ 1,319	\$ (13)

DUKE ENERGY CAROLINAS, LLC  
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 Amortize Residential credit card fees  
 For the Test Period Ending December 31, 2022  
 (Dollars in thousands)

Supplemental Direct  
 SC5150-1 Calculation

Line No.	<u>Description</u>	<u>Total</u> <u>SC Retail</u>
1		
2	<u>Impact to income statement</u>	
3	Deferred credit card fees at rates effective date	\$ 2,611 [1]
4	Amortization period in years	3
5	Impact to O&M (L3 / L4)	<u>\$ 870</u>
6		
7	Normalize test period for residential credit card fees	\$ 481 [2]
8	Impact to O&M (L7)	<u>\$ 481</u>
9		
10	Statutory tax rate	24.95% [3]
11	Impact to income taxes (-L5 -L8 x L10)	<u>\$ (337)</u>
12		
13	Impact to operating income (-L5 -L 8 -L11)	<u>\$ (1,014)</u>
14		
15	<u>Impact to rate base</u>	
16	Deferred credit card fees (L3)	\$ 2,611
17	Less balance in Cost of Service rate base	- [4]
18	Less first year of amortization (-L5)	<u>(870)</u>
19	Impact to working capital (L16 + L17 + L18)	<u>\$ 1,741</u>
20		
21	Deferred tax rate	24.95% [3]
22	Impact to accumulated deferred income taxes (-L19 x L21)	<u>\$ (434)</u>
23		
24	Impact to rate base (L19 + L22)	<u>\$ 1,306</u>

[1] SC5140-2 Deferral - Calculation of Deferral - Projected Ending Balance - Deferred residential credit card fees, Line 69

[2] SC5140-4 Deferral - Normalize 2022 test period for actual residential credit card fees, Line 15

[3] SC1010-4 Tax Rate - 2023 Calculation of Tax Rates, Line 10

[4] Cost of Service Account 0182584 - Credit Card Program 12/31/2022 balance

DUKE ENERGY CAROLINAS, LLC  
Docket No. 2023-388-E  
Amortize deferred residential credit card fees  
For the Test Period Ending December 31, 2022  
(Amounts in dollars)

Supplemental Direct  
SC5150-2 Deferral Calc

Calculation of Deferral - Projected Ending Balance - Deferred residential credit card fees

Line No.	Date	SC Retail	Monthly			
		Beginning Base A	Deferral amount [1] B	Balance for Return C = J (PM) + B/2	Return D	Ending Balance E = (PM) + B +
1						
2	Jan-19	-	-	-	-	-
3	Feb-19	-	-	-	-	-
4	Mar-19	-	-	-	-	-
5	Apr-19	-	-	-	-	-
6	May-19	-	-	-	-	-
7	Jun-19	-	-	-	-	-
8	Jul-19	-	-	-	-	-
9	Aug-19	-	-	-	-	-
10	Sep-19	-	-	-	-	-
11	Oct-19	-	-	-	-	-
12	Nov-19	-	-	-	-	-
13	Dec-19	-	228,436	114,218	631	229,067
14	Jan-20	229,067	-	229,067	1,266	230,333
15	Feb-20	230,333	-	230,333	1,273	231,606
16	Mar-20	231,606	-	231,606	1,280	232,886
17	Apr-20	232,886	-	232,886	1,287	234,174
18	May-20	234,174	-	234,174	1,294	235,468
19	Jun-20	235,468	-	235,468	1,302	236,770
20	Jul-20	236,770	-	236,770	1,309	238,078
21	Aug-20	238,078	-	238,078	1,316	239,394
22	Sep-20	239,394	-	239,394	1,323	240,718
23	Oct-20	240,718	-	240,718	1,331	242,048
24	Nov-20	242,048	-	242,048	1,338	243,386
25	Dec-20	243,386	426,991	456,881	2,525	672,902
26	Jan-21	672,902	-	672,902	3,719	676,621
27	Feb-21	676,621	-	676,621	3,740	680,361
28	Mar-21	680,361	-	680,361	3,761	684,122
29	Apr-21	684,122	-	684,122	3,781	687,903
30	May-21	687,903	-	687,903	3,802	691,706
31	Jun-21	691,706	-	691,706	3,823	695,529
32	Jul-21	695,529	-	695,529	3,844	699,373
33	Aug-21	699,373	-	699,373	3,866	703,239
34	Sep-21	703,239	-	703,239	3,887	707,126
35	Oct-21	707,126	-	707,126	3,909	711,035
36	Nov-21	711,035	-	711,035	3,930	714,965
37	Dec-21	714,965	508,157	969,043	5,356	1,228,478
38	Jan-22	1,228,478	-	1,228,478	6,790	1,235,268
39	Feb-22	1,235,268	-	1,235,268	6,828	1,242,096
40	Mar-22	1,242,096	-	1,242,096	6,866	1,248,961
41	Apr-22	1,248,961	-	1,248,961	6,904	1,255,865
42	May-22	1,255,865	-	1,255,865	6,942	1,262,807
43	Jun-22	1,262,807	-	1,262,807	6,980	1,269,787
44	Jul-22	1,269,787	-	1,269,787	7,019	1,276,805
45	Aug-22	1,276,805	-	1,276,805	7,057	1,283,863
46	Sep-22	1,283,863	-	1,283,863	7,096	1,290,959
47	Oct-22	1,290,959	-	1,290,959	7,136	1,298,095
48	Nov-22	1,298,095	-	1,298,095	7,175	1,305,270
49	Dec-22	1,305,270	480,813	1,545,677	8,544	1,794,627
50	Jan-23	1,794,627	-	1,794,627	9,920	1,804,547
51	Feb-23	1,804,547	-	1,804,547	9,974	1,814,521
52	Mar-23	1,814,521	-	1,814,521	10,030	1,824,551
53	Apr-23	1,824,551	-	1,824,551	10,085	1,834,636
54	May-23	1,834,636	-	1,834,636	10,141	1,844,777
55	Jun-23	1,844,777	-	1,844,777	10,197	1,854,973
56	Jul-23	1,854,973	-	1,854,973	10,253	1,865,227
57	Aug-23	1,865,227	-	1,865,227	10,310	1,875,536
58	Sep-23	1,875,536	-	1,875,536	10,367	1,885,903
59	Oct-23	1,885,903	-	1,885,903	10,424	1,896,327
60	Nov-23	1,896,327	-	1,896,327	10,482	1,906,809
61	Dec-23	1,906,809	593,276	2,203,447	12,179	2,512,265
62	Jan-24	2,512,265	-	2,512,265	13,886	2,526,151
63	Feb-24	2,526,151	-	2,526,151	13,963	2,540,114
64	Mar-24	2,540,114	-	2,540,114	14,040	2,554,155
65	Apr-24	2,554,155	-	2,554,155	14,118	2,568,273
66	May-24	2,568,273	-	2,568,273	14,196	2,582,468
67	Jun-24	2,582,468	-	2,582,468	14,274	2,596,743
68	Jul-24	2,596,743	-	2,596,743	14,353	2,611,096
69			2,237,673	373,423		2,611,096
			-			

**DEC weighted average cost of capital ("WACC")**  
**Docket 2018-319-E**  
ROR

WACC 6.63% [2]  
Divided by 12 for monthly rate 0.55% [2]

[1] SC5150-3 - Deferred residential credit card fees over annual amount in rates  
[2] Latest approved DEC weighted average cost of capital. New rates were effective in Docket No. 2018-319-E on June 1, 2019.

DUKE ENERGY CAROLINAS, LLC  
Docket No. 2023-388-E  
Amortize Residential credit card fees  
For the Test Period Ending December 31, 2022

Supplemental Direct  
SC5150-3 Cost Details

Deferred residential credit card fees over annual amount in rates [1]

No.	Description	Total
		SC Retail
1	2019	\$ 228,436
1	2020	426,991
2	2021	508,157
3	2022	480,813
4	2023	593,276
5	Total	<u>\$ 2,237,673</u>

[1] Deferral of credit card fees over amount in rates approved in Order 2019-455, Docket No. 2018-319-E

DUKE ENERGY CAROLINAS, LLC  
Docket No. 2023-388-E  
Amortize Residential credit card fees  
For the Test Period Ending December 31, 2022

Jiggetts Supplemental Direct Exhibit 4  
Docket 2023-388-E  
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Supplemental Direct  
SC5150-4 Normalize test period

Normalize 2022 test period for actual residential credit card fees

No.	Description	Total
		SC Retail
1	Jan-22	\$ 245,552
2	Feb-22	249,963
3	Mar-22	262,269
4	Apr-22	242,418
5	May-22	244,602
6	Jun-22	241,104
7	Jul-22	249,504
8	Aug-22	257,325
9	Sep-22	243,627
10	Oct-22	259,482
11	Nov-22	248,564
12	Dec-22	253,367
13	Actual 2022 credit card fees	\$ 2,997,776
14	Less: Amount in rates, not deferred	(2,516,962) [1]
15	Increase in test period O&M expense	<u>\$ 480,813</u>

[1] Amount in rates approved in Docket No. 2018-319-E

Jiggetts Supplemental Direct Exhibit 4  
Docket 2023-388-E  
Page 154 of 159

DUKE ENERGY CAROLINAS, LLC  
Docket No. 2023-388-E

Adjust 1/8 O&M for accounting and pro-forma adjustments  
For the Test Period Ending December 31, 2022

Supplemental Direct  
SC6020 Narrative

**Detailed Narrative Explanation of Adjustment**

This pro-forma adjusts working capital investment, specifically 1/8 of operations and maintenance (O&M) expense for accounting and pro-forma adjustments.

The impact to 1/8 O&M was determined by multiplying total adjustments to fuel used in electric generation and other operations and maintenance expense by 12.5% or 1/8.

**Supplemental Direct**

Updated to reflect the changes to cash working capital resulting from the other changes

DUKE ENERGY CAROLINAS, LLC  
Docket No. 2023-388-E  
Adjust 1/8 O&M for accounting and pro-forma adjustments  
For the Test Period Ending December 31, 2022  
(Dollars in thousands)

Supplemental Direct  
SC6020 Summary  
Page 1 of 1

<u>Line No</u>	<u>Impacted Income Statement Line Items</u>	<u>Source</u>	Total SC Retail Supplemental Direct	Total SC Retail Application	Change
1	Sales of Electricity				
2	Other Revenue				
3	Electric operating revenue (L1+L2)		\$	-	\$ -
4					
5	<u>Electric operating expenses:</u>				
6	Operation and maintenance:				
7	Fuel used in electric generation				
8	Purchased power				
9	Other operation and maintenance expense				
10	Depreciation and amortization				
11	General taxes				
12	Interest on customer deposits				
13	EDIT Amortization				
14	Net income taxes				
15	Amortization of investment tax credit				
16	Total electric operating expenses (sum(L7:L15))		\$	-	\$ -
17					
18	Operating income (L3-L16)		\$	-	\$ -
19	<b>Rate Base</b>	<u>Source</u>	Total SC Retail Supplemental Direct	Total SC Retail Application	Change
20	Electric plant in service		\$	-	\$ -
21	Accumulated depreciation and amortization		\$	-	\$ -
22	Net electric plant in service (L20 + L21)		\$	-	\$ -
23	Construction Work in Progress		\$	-	\$ -
24	Plant Held for Future Use		\$	-	\$ -
25	Materials and supplies		\$	-	\$ -
26	Total Working Capital		\$ 4,510	\$ 4,342	\$ 168
27	Accumulated deferred income taxes		\$	-	\$ -
28	Operating reserves		\$	-	\$ -
29	Total Rate Base (sum L22:L28)		\$ 4,510	\$ 4,342	\$ 168

DUKE ENERGY CAROLINAS, LLC  
Docket No. 2023-388-E  
Adjust 1/8 O&M for accounting and pro-forma adjustments  
For the Test Period Ending December 31, 2022  
(Dollars in thousands)

Supplemental Direct  
SC6020-1 Calculation  
Page 1 of 1

Line No.		Total <u>SC Retail</u>
1	Total adjustments - fuel used in electric generation	\$ 42,635 [1]
2	Total adjustments - other operation and maintenance expense	(6,555) [2]
3	Total adjustments - 12 months O&M (excluding purchased power) (L1 + L2)	\$ 36,080
4		
5	1/8 of O&M (L3 x (1/8))	\$ 4,510
6		
7	Impact to working capital (L5)	<u>\$ 4,510</u>

[1] Jiggetts Exhibit 1, Page 1 Supplemental Line 2, Column 3

[2] Jiggetts Exhibit 1, Page 1 Supplemental Line 4, Column 3

Jiggetts Supplemental Direct Exhibit 4  
Docket 2023-388-E  
Page 157 of 159

DUKE ENERGY CAROLINAS, LLC  
Docket No. 2023-388-E

Supplemental Direct  
SC6030 Narrative

Synchronize interest expense with end of period rate base  
For the Test Period Ending December 31, 2022

**Detailed Narrative Explanation of Adjustment**

This pro-forma adjusts income taxes to reflect the tax impact that results from annualizing interest expense based on the end-of-period, adjusted rate base.

The impact to income taxes was determined as follows:

First, multiply rate base after all pro-forma adjustments have been made by the long-term debt ratio to calculate an adjusted long-term debt balance. Second, multiply the adjusted long-term debt balance by the end of year cost of long-term debt to calculate annualized interest expense. Third, subtract interest expense incurred during the test period from annualized interest expense and multiply the difference by the statutory tax rate.

**Supplemental Direct**

Corrected the unamortized ITC balance - acct 0255000

Updated for impacts of change to other proforma adjustments

DUKE ENERGY CAROLINAS, LLC  
Docket No. 2023-388-E  
Synchronize interest expense with end of period rate base  
For the Test Period Ending December 31, 2022  
(Dollars in thousands)

Supplemental Direct  
SC6030 Summary  
Page 1 of 1

Line No	<u>Impacted Income Statement Line Items</u>	Source	Total	Total	Change
			SC Retail	SC Retail	
1	Sales of Electricity		\$	-	\$ -
2	Other Revenue				
3	Electric operating revenue (L1+L2)				
4					
5	<u>Electric operating expenses:</u>				
6	Operation and maintenance:				
7	Fuel used in electric generation				
8	Purchased power				
9	Other operation and maintenance expense				
10	Depreciation and amortization	SC6030-1	\$ (8,373)	\$ (8,193)	\$ (180)
11	General taxes				
12	Interest on customer deposits				
13	EDIT Amortization				
14	Net income taxes				
15	Amortization of investment tax credit				
16	Total electric operating expenses (sum(L7:L15))		\$ (8,373)	\$ (8,193)	\$ (180)
17					
18	Operating income (L3-L16)		\$ 8,373	\$ 8,193	\$ 180
19	<u>Rate Base</u>				
20	Electric plant in service		\$ -	\$ -	\$ -
21	Accumulated depreciation and amortization		\$ -	\$ -	\$ -
22	Net electric plant in service (L20 + L21)		\$ -	\$ -	\$ -
23	Construction Work in Progress		\$ -	\$ -	\$ -
24	Plant Held for Future Use		\$ -	\$ -	\$ -
25	Materials and supplies		\$ -	\$ -	\$ -
26	Total Working Capital		\$ -	\$ -	\$ -
27	Accumulated deferred income taxes		\$ -	\$ -	\$ -
28	Operating reserves		\$ -	\$ -	\$ -
29	Total Rate Base (sum L22:L28)		\$ -	\$ -	\$ -

DUKE ENERGY CAROLINAS, LLC  
Docket No. 2023-388-E  
Synchronize interest expense with end of period rate base  
For the Test Period Ending December 31, 2022  
(Dollars in thousands)

Supplemental Direct  
SC6030-1 Calculation  
Page 1 of 1

<u>Line No.</u>	<u>Description</u>	Total <u>System</u> Col [a]	SC Retail <u>Allocation</u> Col [b]	Total <u>SC Retail</u> Col [c]
1				
2	Rate base before pro forma adjustments	\$ 27,516,650 [1]	22.3894% [2]	\$ 6,160,824 [1]
3				
4	Pro forma rate base	33,046,866 [3]		\$ 7,399,009 [1]
5				
6	Less: unamortized ITC balance - acct 255.000	\$ 299,196 [4]	22.3894% [2]	\$ 66,988
7	Pro forma rate base adjusted for ITC (L4 - L6)	\$ 32,747,670		\$ 7,332,021
8				
9	Long-term debt ratio	47.00% [5]		47.00% [5]
10	Calculated long-term debt (L7 x L9)	\$ 15,391,405		\$ 3,446,050
11				
12	End of year cost of long-term debt	4.56% [5]		4.56% [5]
13	Annualized interest expense (L10 x L12)	\$ 701,848		\$ 157,140
14				
15	Incurred interest expense	\$ 552,467 [6]	22.3686% [8]	\$ 123,579
16	Increase / <decrease> to interest costs (L13 - L15)	\$ 149,381		\$ 33,561
17				
18	Statutory tax rate	24.9500% [7]		24.9500% [7]
19	Impact to income taxes (-L16 x L18)	\$ (37,270)		\$ (8,373)
20				
21	Impact to operating income (-L19)	<u>\$ 37,270</u>		<u>\$ 8,373</u>

[1] Jiggetts Exhibit 1 Page 1, Column 1, Line 15

[2] SC Retail Allocation Factor - Calculation: L2, Col [c] / L2, Col [a]

[3] Calculation: L4, Col [c] / L2, Col [b]

[4] Working Trial Balance, December 2021 - Account 0255000

[5] Jiggetts Exhibit 1 Page 2, Column 2, Line 1

[6] SC Retail Cost of Service-Per Book-12 CP Firm - Interest Expense - Electric

[7] SC1010-4 Tax Rate - 2022 Calculation of Tax Rates, Line 10

[8] SC Retail Allocation Factor -All - Rate Base x CWC - Jur